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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Quarterly: Ka'amilo Wells P1/P2

JOB NUMBER

380-193970-1

Eurofins Pomona

Job Notes

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

Compliance Statement

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

Authorization



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^3+	Reporting Limit Check Standard 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 Semi 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.

HPLC/IC

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
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
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Analyte was found in the associated method blank.
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

Definitions/Glossary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Glossary (Continued)

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

DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 380-193970-1

Job ID: 380-193970-1

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Job Narrative 380-193970-1

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 1/22/2026 9:55 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 4.9°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 laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-686409 and analytical batch 570-689715 recovered outside control limits for the following analyte(s): 3-Nitroaniline, 4-Chloroaniline, Aniline and Benzidine. 3-Nitroaniline, 4-Chloroaniline, Aniline and Benzidine 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 570-686409 and analytical batch 570-689715 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Chloroaniline and Aniline.

Method 625.1 SIM: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 570-686409 and analytical batch 570-690589 exceeded control limits for the following analyte(s): Aniline and Benzidine, Note that this analyte is a known poor performer when analyzed using this method.

Method 625.1 SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 570-686409 and analytical batch 570-690589 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-686409 and analytical batch 570-689715 recovered outside control limits for the following analytes: Benzyl alcohol. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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

Gasoline Range Organics

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

Diesel Range Organics

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

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: The continuing calibration verification (CCV) associated with 570-687657 recovered high and outside the control limits for Hexafluoro-2-propanol (Surr) on one column. Results are confirmed on both columns and reported from the passing

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Case Narrative

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

Job ID: 380-193970-1

Job ID: 380-193970-1 (Continued)

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column.

Method 8015B: The laboratory control sample duplicate (LCSD) for analytical batch 570-687657 recovered outside control limits for the following analytes: Ethanol. These analytes were biased high in the LCSD 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.

Pesticides/PCBs

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

HPLC/IC

Method 300.0: The continuing calibration blank (CCB) for analytical batch 380-200241 contained Chloride above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300.0: The following samples were diluted for Nitrite as N to prevent detector saturation due to high conductivity: Ka'amilo Wells P1 (380-193970-1) and Ka'amilo Wells P2 (380-193970-3). 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

Method 200.7 Rev 4.4: The continuing calibration blank (CCB) for analytical batch 380-200612 contained Magnesium above the method detection limit (MDL). All reported samples associated with this CCB contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 200.7 Rev 4.4: The method blank for analytical batch 380-200612 contained Magnesium above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

General Chemistry

Method SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 380-200976 were outside control limits for one or more analytes. 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.

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Detection Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.066		0.0097	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L	1		525.2	Total/NA
Chlordane (n.o.s.)	0.33		0.099	ug/L	1		505	Total/NA
Bromide	400		25	ug/L	5		300.0	Total/NA
Chloride	120	^2	2.5	mg/L	5		300.0	Total/NA
Nitrate as N	2.3		0.25	mg/L	5		300.0	Total/NA
Sulfate	31		1.3	mg/L	5		300.0	Total/NA
Calcium	21		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	21	B ^2	0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	3.0		0.20	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	1.2		0.90	ug/L	1		200.8	Total/NA
Copper	1.3		1.0	ug/L	1		200.8	Total/NA
Selenium	4.8		2.0	ug/L	1		200.8	Total/NA
Zinc	5.7		5.0	ug/L	1		200.8	Total/NA
Alkalinity	79		4.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	79		4.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	630		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	7.6	HF		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-193970-2

No Detections.

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.067		0.0097	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.013		0.0097	ug/L	1		525.2	Total/NA
Chlordane (n.o.s.)	0.32		0.099	ug/L	1		505	Total/NA
Bromide	430		25	ug/L	5		300.0	Total/NA
Chloride	130	^2	2.5	mg/L	5		300.0	Total/NA
Nitrate as N	2.2		0.25	mg/L	5		300.0	Total/NA
Sulfate	31		1.3	mg/L	5		300.0	Total/NA
Calcium	22		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	22	B ^2	0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.8		0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	60		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.2		0.90	ug/L	1		200.8	Total/NA
Copper	3.5		1.0	ug/L	1		200.8	Total/NA
Selenium	4.8		2.0	ug/L	1		200.8	Total/NA
Zinc	10		5.0	ug/L	1		200.8	Total/NA
Alkalinity	76		4.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	76		4.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	630		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	360		20	mg/L	1		SM 2540C	Total/NA
Fluoride	0.055		0.050	mg/L	1		SM 4500 F C	Total/NA
pH	7.6	HF		SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193970-4

No Detections.

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This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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			02/04/26 01:38	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			02/04/26 01:38	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/04/26 01:38	1
1,1,1,2-Tetrachloroethane	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,1,2-Trichloroethane	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			02/04/26 01:38	1
1,1-Dichloroethylene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/04/26 01:38	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/04/26 01:38	1
1,2,3-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,2,3-Trichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,2,4-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,2,4-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/04/26 01:38	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 01:38	1
1,3,5-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,3-Dichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
1,3-Dichloropropene, Total	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 01:38	1
2-Butanone (MEK)	<5.0	^3+	5.0	ug/L			02/04/26 01:38	1
4-Methyl-2-pentanone (MIBK)	<5.0	^3+	5.0	ug/L			02/04/26 01:38	1
Acetone	<500		500	ug/L			02/04/26 01:38	1
Benzene	<0.50		0.50	ug/L			02/04/26 01:38	1
Bromobenzene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Bromochloromethane	<0.50		0.50	ug/L			02/04/26 01:38	1
Bromodichloromethane	<0.50		0.50	ug/L			02/04/26 01:38	1
Bromoethane	<0.50		0.50	ug/L			02/04/26 01:38	1
Bromoform	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/04/26 01:38	1
Carbon disulfide	<0.50		0.50	ug/L			02/04/26 01:38	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/04/26 01:38	1
Chlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Chlorodibromomethane	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Chloroethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 01:38	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/04/26 01:38	1
Chloromethane (methyl chloride)	<0.50	^3+ *+	0.50	ug/L			02/04/26 01:38	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 01:38	1
cis-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Dibromomethane	<0.50		0.50	ug/L			02/04/26 01:38	1
Dichlorodifluoromethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 01:38	1
Dichloromethane	<0.50		0.50	ug/L			02/04/26 01:38	1
Diisopropyl ether	<3.0		3.0	ug/L			02/04/26 01:38	1
Ethylbenzene	<0.50		0.50	ug/L			02/04/26 01:38	1
Hexachlorobutadiene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Isopropylbenzene	<0.50		0.50	ug/L			02/04/26 01:38	1
m,p-Xylenes	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
m-Dichlorobenzene (1,3-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1

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Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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			02/04/26 01:38	1
Naphthalene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
n-Butylbenzene	<0.50		0.50	ug/L			02/04/26 01:38	1
N-Propylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
o-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
o-Dichlorobenzene (1,2-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
o-Xylene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
p-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/04/26 01:38	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/04/26 01:38	1
Styrene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Tert-amyl methyl ether	<3.0	^3+	3.0	ug/L			02/04/26 01:38	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/04/26 01:38	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/04/26 01:38	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/04/26 01:38	1
Toluene	<0.50		0.50	ug/L			02/04/26 01:38	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 01:38	1
trans-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/04/26 01:38	1
Trichlorofluoromethane (Freon 11)	<0.50	^3+ **	0.50	ug/L			02/04/26 01:38	1
Trichlorotrifluoroethane	<0.50	^3+ **	0.50	ug/L			02/04/26 01:38	1
Vinyl Chloride (VC)	<0.30	^3+ **	0.30	ug/L			02/04/26 01:38	1
Xylenes, Total	<0.50	^3+	0.50	ug/L			02/04/26 01:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		02/04/26 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		02/04/26 01:38	1
4-Bromofluorobenzene (Surr)	103		70 - 130		02/04/26 01:38	1
Toluene-d8 (Surr)	99		70 - 130		02/04/26 01:38	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		02/04/26 01:38	1
4-Bromofluorobenzene (Surr)	103		70 - 130		02/04/26 01:38	1
Toluene-d8 (Surr)	99		70 - 130		02/04/26 01:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
2,4'-DDE	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
2,4'-DDT	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
4,4'-DDD	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
4,4'-DDE	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
4,4'-DDT	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Acenaphthene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Acenaphthylene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Acetochlor	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Alachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
alpha-Chlordane	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Anthracene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 19:50	1
Atrazine	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Benz(a)anthracene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Benzo[a]pyrene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 19:50	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 19:50	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 19:50	1
beta-BHC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		01/26/26 08:10	01/27/26 19:50	1
Aldrin	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Bromacil	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Butachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Butylbenzylphthalate	<0.48		0.48	ug/L		01/26/26 08:10	01/27/26 19:50	1
Chlorobenzilate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Chloroneb	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Chlorpyrifos	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Chrysene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 19:50	1
delta-BHC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		01/26/26 08:10	01/27/26 19:50	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Dieldrin	0.066		0.0097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Diethylphthalate	<0.48		0.48	ug/L		01/26/26 08:10	01/27/26 19:50	1
Dimethylphthalate	<0.48		0.48	ug/L		01/26/26 08:10	01/27/26 19:50	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		01/26/26 08:10	01/27/26 19:50	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Endosulfan sulfate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Endrin	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Endrin aldehyde	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
EPTC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Fluoranthene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Fluorene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
gamma-BHC (Lindane)	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 19:50	1
gamma-Chlordane	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Heptachlor	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Hexachlorobenzene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Isophorone	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Malathion	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Methoxychlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Metolachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Molinate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Parathion	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Phenanthrene	<0.039		0.039	ug/L		01/26/26 08:10	01/27/26 19:50	1
Propachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Pyrene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Simazine	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Terbacil	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Terbutylazine	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Thiobencarb	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		01/26/26 08:10	01/27/26 19:50	1
trans-Nonachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 19:50	1
Trifluralin	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
1-Methylnaphthalene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1
2-Methylnaphthalene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 19:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	01/26/26 08:10	01/27/26 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	01/26/26 08:10	01/27/26 19:50	1
Perylene-d12	96		70 - 130	01/26/26 08:10	01/27/26 19:50	1
Triphenylphosphate	94		70 - 130	01/26/26 08:10	01/27/26 19:50	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		01/24/26 09:00	02/03/26 14:10	1
2,4,5-Trichlorophenol	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
2,4,6-Trichlorophenol	<0.96		0.96	ug/L		01/24/26 09:00	02/03/26 14:10	1
2,4-Dichlorophenol	<0.96		0.96	ug/L		01/24/26 09:00	02/03/26 14:10	1
2,4-Dinitrophenol	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
2,6-Dichlorophenol	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
2-Chloronaphthalene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
2-Chlorophenol	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
2-Methylnaphthalene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
2-Methylphenol	<0.96		0.96	ug/L		01/24/26 09:00	02/03/26 14:10	1
2-Nitroaniline	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
2-Nitrophenol	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
3/4-Methylphenol	<1.9		1.9	ug/L		01/24/26 09:00	02/03/26 14:10	1
3-Nitroaniline	<4.8	*- *1	4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
4,6-Dinitro-2-methylphenol	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
4-Bromophenyl phenyl ether	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
4-Chloro-3-methylphenol	<0.96		0.96	ug/L		01/24/26 09:00	02/03/26 14:10	1
4-Chloroaniline	<4.8	*- *1	4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
4-Chlorophenyl phenyl ether	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
4-Nitroaniline	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
4-Nitrophenol	<4.8		4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
Acenaphthene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Acenaphthylene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Aniline	<0.19	*- *1	0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzidine	<4.8	*	4.8	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzo[a]anthracene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzo[a]pyrene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzoic acid	<9.6		9.6	ug/L		01/24/26 09:00	02/03/26 14:10	1
Benzyl alcohol	<0.96	*1	0.96	ug/L		01/24/26 09:00	02/03/26 14:10	1
Bis(2-chloroethoxy)methane	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Bis(2-chloroethyl)ether	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
bis (2-Chloroisopropyl) ether	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Chrysene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Dibenzofuran	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Fluoranthene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Fluorene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Hexachloroethane	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Naphthalene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Nitrobenzene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
N-Nitrosodi-n-propylamine	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
N-Nitrosodiphenylamine	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Pentachlorophenol	<0.96		0.96	ug/L		01/24/26 09:00	02/03/26 14:10	1
Phenanthrene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1
Phenol	<0.96		0.96	ug/L		01/24/26 09:00	02/03/26 14:10	1
Pyrene	<0.19		0.19	ug/L		01/24/26 09:00	02/03/26 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	70		28 - 127	01/24/26 09:00	02/03/26 14:10	1
2-Fluorobiphenyl (Surr)	67		31 - 120	01/24/26 09:00	02/03/26 14:10	1
2-Fluorophenol (Surr)	46		17 - 120	01/24/26 09:00	02/03/26 14:10	1
Nitrobenzene-d5 (Surr)	72		27 - 120	01/24/26 09:00	02/03/26 14:10	1
Phenol-d6 (Surr)	29		10 - 120	01/24/26 09:00	02/03/26 14:10	1
p-Terphenyl-d14 (Surr)	85		45 - 120	01/24/26 09:00	02/03/26 14:10	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	01/24/26 09:00	02/04/26 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	56		33 - 139	01/24/26 09:00	02/04/26 19:04	1
2-Fluorobiphenyl (Surr)	66		33 - 126	01/24/26 09:00	02/04/26 19:04	1
2-Fluorophenol (Surr)	51		12 - 120	01/24/26 09:00	02/04/26 19:04	1
Nitrobenzene-d5 (Surr)	59		36 - 120	01/24/26 09:00	02/04/26 19:04	1
Phenol-d6 (Surr)	25		10 - 120	01/24/26 09:00	02/04/26 19:04	1
p-Terphenyl-d14 (Surr)	76		47 - 131	01/24/26 09:00	02/04/26 19:04	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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			01/29/26 13:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		38 - 134				01/29/26 13:41	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		01/23/26 15:33	01/24/26 00:56	1
1,2-Dibromo-3-Chloropropane	<0.0099		0.0099	ug/L		01/23/26 15:33	01/24/26 00:56	1
1,2-Dibromoethane	<0.0099		0.0099	ug/L		01/23/26 15:33	01/24/26 00:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	108		60 - 140			01/23/26 15:33	01/24/26 00:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.49		0.49	ug/L		01/23/26 13:26	01/23/26 20:51	1
Chlordane (n.o.s.)	0.33		0.099	ug/L		01/23/26 13:26	01/23/26 20:51	1
PCB-1016	<0.069		0.069	ug/L		01/23/26 13:26	01/23/26 20:51	1
PCB-1221	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 20:51	1
PCB-1232	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 20:51	1
PCB-1242	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 20:51	1
PCB-1248	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 20:51	1
PCB-1254	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 20:51	1
PCB-1260	<0.069		0.069	ug/L		01/23/26 13:26	01/23/26 20:51	1
Polychlorinated biphenyls, Total	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 20:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		70 - 130			01/23/26 13:26	01/23/26 20:51	1
Tetrachloro-m-xylene	100		70 - 130			01/23/26 13:26	01/23/26 20:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		01/25/26 10:38	01/28/26 21:32	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		01/25/26 10:38	01/28/26 21:32	1
C8-C18	<26		26	ug/L		01/25/26 10:38	01/28/26 21:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	124		60 - 130			01/25/26 10:38	01/28/26 21:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10	*+	0.10	mg/L			01/27/26 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	102		54 - 120				01/27/26 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	400		25	ug/L			01/28/26 14:32	5
Chloride	120	^2	2.5	mg/L			01/22/26 23:12	5
Nitrate as N	2.3		0.25	mg/L			01/22/26 23:12	5

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

Method: EPA 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	<0.25		0.25	mg/L			01/22/26 23:12	5
Sulfate	31		1.3	mg/L			01/22/26 23:12	5

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	21		0.10	mg/L			01/23/26 13:13	1
Magnesium	21	B ^2	0.10	mg/L			01/23/26 13:13	1
Potassium	3.0		0.20	mg/L			01/23/26 13:13	1
Sodium	64		0.10	mg/L			01/23/26 13:13	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			01/23/26 15:56	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			01/23/26 15:56	1
Arsenic	<1.0		1.0	ug/L			01/23/26 15:56	1
Beryllium	<0.30		0.30	ug/L			01/23/26 15:56	1
Cadmium	<0.50		0.50	ug/L			01/23/26 15:56	1
Chromium	1.2		0.90	ug/L			01/23/26 15:56	1
Copper	1.3		1.0	ug/L			01/23/26 15:56	1
Lead	<0.50		0.50	ug/L			01/23/26 15:56	1
Nickel	<5.0		5.0	ug/L			01/23/26 15:56	1
Selenium	4.8		2.0	ug/L			01/23/26 15:56	1
Silver	<0.50		0.50	ug/L			01/23/26 15:56	1
Thallium	<0.30		0.30	ug/L			01/23/26 15:56	1
Zinc	5.7		5.0	ug/L			01/23/26 15:56	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	79		4.0	mg/L			01/26/26 21:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	79		4.0	mg/L			01/26/26 21:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0	mg/L			01/26/26 21:01	1
Specific Conductance (SM 2510B)	630		2.0	umhos/cm			01/26/26 21:01	1
Total Dissolved Solids (SM 2540C)	360		20	mg/L			01/23/26 13:01	1
Fluoride (SM 4500 F C)	0.062		0.050	mg/L			01/26/26 20:16	1
pH (SM 4500 H+ B)	7.6	HF		SU			01/26/26 21:01	1
Sulfide (SM 4500 S2 D)	<0.050	F1	0.050	mg/L			01/26/26 11:07	1

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-193970-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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			02/04/26 02:00	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-193970-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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			02/04/26 02:00	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/04/26 02:00	1
1,1,2,2-Tetrachloroethane	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,1,2-Trichloroethane	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,1-Dichloroethylene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/04/26 02:00	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/04/26 02:00	1
1,2,3-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,2,3-Trichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,2,4-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,2,4-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/04/26 02:00	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 02:00	1
1,3,5-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,3-Dichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
1,3-Dichloropropane, Total	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 02:00	1
2-Butanone (MEK)	<5.0	^3+	5.0	ug/L			02/04/26 02:00	1
4-Methyl-2-pentanone (MIBK)	<5.0	^3+	5.0	ug/L			02/04/26 02:00	1
Acetone	<500		500	ug/L			02/04/26 02:00	1
Benzene	<0.50		0.50	ug/L			02/04/26 02:00	1
Bromobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Bromochloromethane	<0.50		0.50	ug/L			02/04/26 02:00	1
Bromodichloromethane	<0.50		0.50	ug/L			02/04/26 02:00	1
Bromoethane	<0.50		0.50	ug/L			02/04/26 02:00	1
Bromoform	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/04/26 02:00	1
Carbon disulfide	<0.50		0.50	ug/L			02/04/26 02:00	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/04/26 02:00	1
Chlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Chlorodibromomethane	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Chloroethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:00	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/04/26 02:00	1
Chloromethane (methyl chloride)	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:00	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 02:00	1
cis-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Dibromomethane	<0.50		0.50	ug/L			02/04/26 02:00	1
Dichlorodifluoromethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:00	1
Dichloromethane	<0.50		0.50	ug/L			02/04/26 02:00	1
Diisopropyl ether	<3.0		3.0	ug/L			02/04/26 02:00	1
Ethylbenzene	<0.50		0.50	ug/L			02/04/26 02:00	1
Hexachlorobutadiene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Isopropylbenzene	<0.50		0.50	ug/L			02/04/26 02:00	1
m,p-Xylenes	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
m-Dichlorobenzene (1,3-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/04/26 02:00	1
Naphthalene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
n-Butylbenzene	<0.50		0.50	ug/L			02/04/26 02:00	1
N-Propylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-193970-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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	^3+	0.50	ug/L			02/04/26 02:00	1
o-Dichlorobenzene (1,2-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
o-Xylene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
p-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/04/26 02:00	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/04/26 02:00	1
Styrene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Tert-amyl methyl ether	<3.0	^3+	3.0	ug/L			02/04/26 02:00	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/04/26 02:00	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/04/26 02:00	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/04/26 02:00	1
Toluene	<0.50		0.50	ug/L			02/04/26 02:00	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 02:00	1
trans-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/04/26 02:00	1
Trichlorofluoromethane (Freon 11)	<0.50	^3+ **	0.50	ug/L			02/04/26 02:00	1
Trichlorotrifluoroethane	<0.50	^3+ **	0.50	ug/L			02/04/26 02:00	1
Vinyl Chloride (VC)	<0.30	^3+ **	0.30	ug/L			02/04/26 02:00	1
Xylenes, Total	<0.50	^3+	0.50	ug/L			02/04/26 02:00	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.90	T J	ug/L		2.23	N/A		02/04/26 02:00	1
Unknown	7.3	T J	ug/L		9.02	N/A		02/04/26 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		02/04/26 02:00	1
4-Bromofluorobenzene (Surr)	99		70 - 130		02/04/26 02:00	1
Toluene-d8 (Surr)	100		70 - 130		02/04/26 02:00	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			01/29/26 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		38 - 134		01/29/26 18:09	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		01/23/26 15:33	01/24/26 01:17	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		01/23/26 15:33	01/24/26 01:17	1
1,2-Dibromoethane	<0.010		0.010	ug/L		01/23/26 15:33	01/24/26 01:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	100		60 - 140	01/23/26 15:33	01/24/26 01:17	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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			02/04/26 02:22	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			02/04/26 02:22	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/04/26 02:22	1
1,1,1,2-Tetrachloroethane	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,1,2-Trichloroethane	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			02/04/26 02:22	1
1,1-Dichloroethylene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/04/26 02:22	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/04/26 02:22	1
1,2,3-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,2,3-Trichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,2,4-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,2,4-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/04/26 02:22	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 02:22	1
1,3,5-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,3-Dichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
1,3-Dichloropropene, Total	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 02:22	1
2-Butanone (MEK)	<5.0	^3+	5.0	ug/L			02/04/26 02:22	1
4-Methyl-2-pentanone (MIBK)	<5.0	^3+	5.0	ug/L			02/04/26 02:22	1
Acetone	<500		500	ug/L			02/04/26 02:22	1
Benzene	<0.50		0.50	ug/L			02/04/26 02:22	1
Bromobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Bromochloromethane	<0.50		0.50	ug/L			02/04/26 02:22	1
Bromodichloromethane	<0.50		0.50	ug/L			02/04/26 02:22	1
Bromoethane	<0.50		0.50	ug/L			02/04/26 02:22	1
Bromoform	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/04/26 02:22	1
Carbon disulfide	<0.50		0.50	ug/L			02/04/26 02:22	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/04/26 02:22	1
Chlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Chlorodibromomethane	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Chloroethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:22	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/04/26 02:22	1
Chloromethane (methyl chloride)	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:22	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 02:22	1
cis-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Dibromomethane	<0.50		0.50	ug/L			02/04/26 02:22	1
Dichlorodifluoromethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:22	1
Dichloromethane	<0.50		0.50	ug/L			02/04/26 02:22	1
Diisopropyl ether	<3.0		3.0	ug/L			02/04/26 02:22	1
Ethylbenzene	<0.50		0.50	ug/L			02/04/26 02:22	1
Hexachlorobutadiene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Isopropylbenzene	<0.50		0.50	ug/L			02/04/26 02:22	1
m,p-Xylenes	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
m-Dichlorobenzene (1,3-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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			02/04/26 02:22	1
Naphthalene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
n-Butylbenzene	<0.50		0.50	ug/L			02/04/26 02:22	1
N-Propylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
o-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
o-Dichlorobenzene (1,2-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
o-Xylene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
p-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/04/26 02:22	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/04/26 02:22	1
Styrene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Tert-amyl methyl ether	<3.0	^3+	3.0	ug/L			02/04/26 02:22	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/04/26 02:22	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/04/26 02:22	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/04/26 02:22	1
Toluene	<0.50		0.50	ug/L			02/04/26 02:22	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 02:22	1
trans-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/04/26 02:22	1
Trichlorofluoromethane (Freon 11)	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:22	1
Trichlorotrifluoroethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 02:22	1
Vinyl Chloride (VC)	<0.30	^3+ *+	0.30	ug/L			02/04/26 02:22	1
Xylenes, Total	<0.50	^3+	0.50	ug/L			02/04/26 02:22	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		02/04/26 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		02/04/26 02:22	1
4-Bromofluorobenzene (Surr)	98		70 - 130		02/04/26 02:22	1
Toluene-d8 (Surr)	98		70 - 130		02/04/26 02:22	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		02/04/26 02:22	1
4-Bromofluorobenzene (Surr)	98		70 - 130		02/04/26 02:22	1
Toluene-d8 (Surr)	98		70 - 130		02/04/26 02:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
2,4'-DDE	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
2,4'-DDT	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
4,4'-DDD	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
4,4'-DDE	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
4,4'-DDT	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Acenaphthene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Acenaphthylene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Acetochlor	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Alachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
alpha-Chlordane	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Anthracene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 20:10	1
Atrazine	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Benz(a)anthracene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Benzo[a]pyrene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 20:10	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 20:10	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 20:10	1
beta-BHC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		01/26/26 08:10	01/27/26 20:10	1
Aldrin	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Bromacil	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Butachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Butylbenzylphthalate	<0.48		0.48	ug/L		01/26/26 08:10	01/27/26 20:10	1
Chlorobenzilate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Chloroneb	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Chlorpyrifos	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Chrysene	<0.019		0.019	ug/L		01/26/26 08:10	01/27/26 20:10	1
delta-BHC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		01/26/26 08:10	01/27/26 20:10	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Dieldrin	0.067		0.0097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Diethylphthalate	<0.48		0.48	ug/L		01/26/26 08:10	01/27/26 20:10	1
Dimethylphthalate	<0.48		0.48	ug/L		01/26/26 08:10	01/27/26 20:10	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		01/26/26 08:10	01/27/26 20:10	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Endosulfan sulfate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Endrin	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Endrin aldehyde	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
EPTC	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Fluoranthene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Fluorene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
gamma-BHC (Lindane)	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 20:10	1
gamma-Chlordane	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Heptachlor	<0.0097		0.0097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Heptachlor epoxide (isomer B)	0.013		0.0097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Hexachlorobenzene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Isophorone	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Malathion	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Methoxychlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Metolachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Molinate	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Parathion	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Phenanthrene	<0.039		0.039	ug/L		01/26/26 08:10	01/27/26 20:10	1
Propachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Pyrene	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Simazine	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Terbacil	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Terbutylazine	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Thiobencarb	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		01/26/26 08:10	01/27/26 20:10	1
trans-Nonachlor	<0.048		0.048	ug/L		01/26/26 08:10	01/27/26 20:10	1
Trifluralin	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
1-Methylnaphthalene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1
2-Methylnaphthalene	<0.097		0.097	ug/L		01/26/26 08:10	01/27/26 20:10	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	01/26/26 08:10	01/27/26 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	98		70 - 130	01/26/26 08:10	01/27/26 20:10	1
Perylene-d12	98		70 - 130	01/26/26 08:10	01/27/26 20:10	1
Triphenylphosphate	95		70 - 130	01/26/26 08:10	01/27/26 20:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
2-Chloronaphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
2-Chlorophenol	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
2-Methylnaphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
2-Methylphenol	<1.0		1.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
2-Nitroaniline	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
2-Nitrophenol	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
3/4-Methylphenol	<2.0		2.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
3-Nitroaniline	<5.0	*- *1	5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
4-Chloroaniline	<5.0	*- *1	5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
4-Nitroaniline	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
4-Nitrophenol	<5.0		5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
Acenaphthene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Acenaphthylene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Aniline	<0.20	*- *1	0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1

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Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzidine	<5.0	*-	5.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzo[a]anthracene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzo[a]pyrene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzoic acid	<10		10	ug/L		01/24/26 09:00	02/03/26 14:55	1
Benzyl alcohol	<1.0	*1	1.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Chrysene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Dibenzofuran	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Fluoranthene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Fluorene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Hexachloroethane	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Naphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Nitrobenzene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Pentachlorophenol	<1.0		1.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
Phenanthrene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1
Phenol	<1.0		1.0	ug/L		01/24/26 09:00	02/03/26 14:55	1
Pyrene	<0.20		0.20	ug/L		01/24/26 09:00	02/03/26 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		28 - 127	01/24/26 09:00	02/03/26 14:55	1
2-Fluorobiphenyl (Surr)	79		31 - 120	01/24/26 09:00	02/03/26 14:55	1
2-Fluorophenol (Surr)	58		17 - 120	01/24/26 09:00	02/03/26 14:55	1
Nitrobenzene-d5 (Surr)	80		27 - 120	01/24/26 09:00	02/03/26 14:55	1
Phenol-d6 (Surr)	37		10 - 120	01/24/26 09:00	02/03/26 14:55	1
p-Terphenyl-d14 (Surr)	91		45 - 120	01/24/26 09:00	02/03/26 14:55	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	01/24/26 09:00	02/04/26 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		33 - 139	01/24/26 09:00	02/04/26 19:28	1
2-Fluorobiphenyl (Surr)	73		33 - 126	01/24/26 09:00	02/04/26 19:28	1
2-Fluorophenol (Surr)	59		12 - 120	01/24/26 09:00	02/04/26 19:28	1
Nitrobenzene-d5 (Surr)	65		36 - 120	01/24/26 09:00	02/04/26 19:28	1
Phenol-d6 (Surr)	30		10 - 120	01/24/26 09:00	02/04/26 19:28	1
p-Terphenyl-d14 (Surr)	78		47 - 131	01/24/26 09:00	02/04/26 19:28	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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			01/29/26 15:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		38 - 134				01/29/26 15:09	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		01/23/26 15:33	01/24/26 01:38	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		01/23/26 15:33	01/24/26 01:38	1
1,2-Dibromoethane	<0.010		0.010	ug/L		01/23/26 15:33	01/24/26 01:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	104		60 - 140			01/23/26 15:33	01/24/26 01:38	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		01/23/26 13:26	01/23/26 21:13	1
Chlordane (n.o.s.)	0.32		0.099	ug/L		01/23/26 13:26	01/23/26 21:13	1
PCB-1016	<0.070		0.070	ug/L		01/23/26 13:26	01/23/26 21:13	1
PCB-1221	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 21:13	1
PCB-1232	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 21:13	1
PCB-1242	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 21:13	1
PCB-1248	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 21:13	1
PCB-1254	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 21:13	1
PCB-1260	<0.070		0.070	ug/L		01/23/26 13:26	01/23/26 21:13	1
Polychlorinated biphenyls, Total	<0.099		0.099	ug/L		01/23/26 13:26	01/23/26 21:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		70 - 130			01/23/26 13:26	01/23/26 21:13	1
Tetrachloro-m-xylene	98		70 - 130			01/23/26 13:26	01/23/26 21:13	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		01/25/26 10:38	01/28/26 21:54	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		01/25/26 10:38	01/28/26 21:54	1
C8-C18	<26		26	ug/L		01/25/26 10:38	01/28/26 21:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	110		60 - 130			01/25/26 10:38	01/28/26 21:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10	*+	0.10	mg/L			01/27/26 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	115		54 - 120				01/27/26 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	430		25	ug/L			01/28/26 14:58	5
Chloride	130	^2	2.5	mg/L			01/22/26 23:29	5
Nitrate as N	2.2		0.25	mg/L			01/22/26 23:29	5

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Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

Method: EPA 300.0 - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	<0.25		0.25	mg/L			01/22/26 23:29	5
Sulfate	31		1.3	mg/L			01/22/26 23:29	5

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	22		0.10	mg/L			01/23/26 13:18	1
Magnesium	22	B ^2	0.10	mg/L			01/23/26 13:18	1
Potassium	2.8		0.20	mg/L			01/23/26 13:18	1
Sodium	60		0.10	mg/L			01/23/26 13:18	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			01/23/26 15:58	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			01/23/26 15:58	1
Arsenic	<1.0		1.0	ug/L			01/23/26 15:58	1
Beryllium	<0.30		0.30	ug/L			01/23/26 15:58	1
Cadmium	<0.50		0.50	ug/L			01/23/26 15:58	1
Chromium	1.2		0.90	ug/L			01/23/26 15:58	1
Copper	3.5		1.0	ug/L			01/23/26 15:58	1
Lead	<0.50		0.50	ug/L			01/23/26 15:58	1
Nickel	<5.0		5.0	ug/L			01/23/26 15:58	1
Selenium	4.8		2.0	ug/L			01/23/26 15:58	1
Silver	<0.50		0.50	ug/L			01/23/26 15:58	1
Thallium	<0.30		0.30	ug/L			01/23/26 15:58	1
Zinc	10		5.0	ug/L			01/23/26 15:58	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	76		4.0	mg/L			01/26/26 21:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	76		4.0	mg/L			01/26/26 21:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0	mg/L			01/26/26 21:10	1
Specific Conductance (SM 2510B)	630		2.0	umhos/cm			01/26/26 21:10	1
Total Dissolved Solids (SM 2540C)	360		20	mg/L			01/23/26 13:46	1
Fluoride (SM 4500 F C)	0.055		0.050	mg/L			01/26/26 20:20	1
pH (SM 4500 H+ B)	7.6	HF		SU			01/26/26 21:10	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			01/26/26 11:07	1

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193970-4

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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			02/03/26 13:54	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193970-4

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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			02/03/26 13:54	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 13:54	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/03/26 13:54	1
1,2,3-Trichlorobenzene	<0.50	^3+ *+	0.50	ug/L			02/03/26 13:54	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
1,3-Dichloropropane	<0.50		0.50	ug/L			02/03/26 13:54	1
1,3-Dichloropropane, Total	<0.50		0.50	ug/L			02/03/26 13:54	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 13:54	1
2-Butanone (MEK)	<5.0		5.0	ug/L			02/03/26 13:54	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			02/03/26 13:54	1
Acetone	<500		500	ug/L			02/03/26 13:54	1
Benzene	<0.50		0.50	ug/L			02/03/26 13:54	1
Bromobenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
Bromochloromethane	<0.50		0.50	ug/L			02/03/26 13:54	1
Bromodichloromethane	<0.50		0.50	ug/L			02/03/26 13:54	1
Bromoethane	<0.50		0.50	ug/L			02/03/26 13:54	1
Bromoform	<0.50		0.50	ug/L			02/03/26 13:54	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/03/26 13:54	1
Carbon disulfide	<0.50		0.50	ug/L			02/03/26 13:54	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/03/26 13:54	1
Chlorobenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
Chlorodibromomethane	<0.50		0.50	ug/L			02/03/26 13:54	1
Chloroethane	<0.50	*+	0.50	ug/L			02/03/26 13:54	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/03/26 13:54	1
Chloromethane (methyl chloride)	<0.50	*+	0.50	ug/L			02/03/26 13:54	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 13:54	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 13:54	1
Dibromomethane	<0.50		0.50	ug/L			02/03/26 13:54	1
Dichlorodifluoromethane	<0.50	*+	0.50	ug/L			02/03/26 13:54	1
Dichloromethane	<0.50		0.50	ug/L			02/03/26 13:54	1
Diisopropyl ether	<3.0		3.0	ug/L			02/03/26 13:54	1
Ethylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
Hexachlorobutadiene	<0.50	^3+	0.50	ug/L			02/03/26 13:54	1
Isopropylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
m,p-Xylenes	<0.50		0.50	ug/L			02/03/26 13:54	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			02/03/26 13:54	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/03/26 13:54	1
Naphthalene	<0.50	*+	0.50	ug/L			02/03/26 13:54	1
n-Butylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
N-Propylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1

Client Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193970-4

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

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			02/03/26 13:54	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			02/03/26 13:54	1
o-Xylene	<0.50		0.50	ug/L			02/03/26 13:54	1
p-Chlorotoluene	<0.50		0.50	ug/L			02/03/26 13:54	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			02/03/26 13:54	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/03/26 13:54	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
Styrene	<0.50		0.50	ug/L			02/03/26 13:54	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			02/03/26 13:54	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/03/26 13:54	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/03/26 13:54	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/03/26 13:54	1
Toluene	<0.50		0.50	ug/L			02/03/26 13:54	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 13:54	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 13:54	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/03/26 13:54	1
Trichlorofluoromethane (Freon 11)	<0.50	*+	0.50	ug/L			02/03/26 13:54	1
Trichlorotrifluoroethane	<0.50	*+	0.50	ug/L			02/03/26 13:54	1
Vinyl Chloride (VC)	<0.30	*+	0.30	ug/L			02/03/26 13:54	1
Xylenes, Total	<0.50		0.50	ug/L			02/03/26 13:54	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.52	T J	ug/L		2.23	N/A		02/03/26 13:54	1
Unknown	7.6	T J	ug/L		9.02	N/A		02/03/26 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		02/03/26 13:54	1
4-Bromofluorobenzene (Surr)	101		70 - 130		02/03/26 13:54	1
Toluene-d8 (Surr)	100		70 - 130		02/03/26 13:54	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			01/29/26 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		38 - 134		01/29/26 19:37	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		01/23/26 15:33	01/24/26 02:00	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		01/23/26 15:33	01/24/26 02:00	1
1,2-Dibromoethane	<0.010		0.010	ug/L		01/23/26 15:33	01/24/26 02:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dibromopropane (Surr)	98		60 - 140		01/23/26 15:33	01/24/26 02:00	1

Action Limit Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

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	^3+	ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50	^3+	ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50	^3+	ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50	^3+	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	^3+	ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50	^3+	ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50	^3+	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	^3+	ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50	^3+	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	^3+ *+	ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50	^3+	ug/L	10000	10000		524.2	Total/NA
Alachlor	<0.048		ug/L		2		525.2	Total/NA
Atrazine	<0.048		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L		400		525.2	Total/NA
Endrin	<0.0097		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0097		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0097		ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L		50		525.2	Total/NA
Methoxychlor	<0.048		ug/L		40		525.2	Total/NA
Simazine	<0.048		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	<0.0099		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.0099		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.49		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	0.33		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.099		ug/L		0.5		505	Total/NA

Euofins Pomona

Action Limit Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-193970-1

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	^2	mg/L			250	300.0	Total/NA
Nitrate as N	2.3		mg/L		10		300.0	Total/NA
Nitrite as N	<0.25		mg/L		1		300.0	Total/NA
Sulfate	31		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	1.2		ug/L		100		200.8	Total/NA
Copper	1.3		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		10.00		200.8	Total/NA
Selenium	4.8		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	5.7		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	7.6	HF	SU			6.5	SM 4500 H+ B	Total/NA

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-193970-2

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
Trihalomethanes, Total	<0.50		ug/L		80	0.50	524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50	^3+	ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichloroethylene	<0.50	^3+	ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50	^3+	ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50	^3+	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	^3+	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	^3+	ug/L	100.0	100	0.50	524.2	Total/NA
Chlorodibromomethane	<0.50	^3+	ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	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	^3+	ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	ug/L	75.000	75	0.50	524.2	Total/NA

Action Limit Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-193970-2

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	^3+	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
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	^3+ *+	ug/L	2.000	2	0.30	524.2	Total/NA
Xylenes, Total	<0.50	^3+	ug/L	10000	10000	0.50	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

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	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	^3+	ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50	^3+	ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50	^3+	ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50	^3+	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	^3+	ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50	^3+	ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50	^3+	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	^3+	ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50	^3+	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	^3+ *+	ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50	^3+	ug/L	10000	10000		524.2	Total/NA
Alachlor	<0.048		ug/L		2		525.2	Total/NA
Atrazine	<0.048		ug/L		3		525.2	Total/NA

Eurofins Pomona

Action Limit Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2 (Continued)

Lab Sample ID: 380-193970-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	EPAMCL S Limit	Method	Prep Type
Benzo[a]pyrene	<0.019		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L		400		525.2	Total/NA
Endrin	<0.0097		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0097		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0097		ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.013		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L		50		525.2	Total/NA
Methoxychlor	<0.048		ug/L		40		525.2	Total/NA
Simazine	<0.048		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<1.0		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.)	0.32		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.099		ug/L		0.5		505	Total/NA
Chloride	130	^2	mg/L			250	300.0	Total/NA
Nitrate as N	2.2		mg/L		10		300.0	Total/NA
Nitrite as N	<0.25		mg/L		1		300.0	Total/NA
Sulfate	31		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	1.2		ug/L		100		200.8	Total/NA
Copper	3.5		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		10.00		200.8	Total/NA
Selenium	4.8		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	10		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	360		mg/L			500	SM 2540C	Total/NA
Fluoride	0.055		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.6	HF	SU			6.5	SM 4500 H+ B	Total/NA

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193970-4

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
Trihalomethanes, Total	<0.50		ug/L		80	0.50	524.2	Total/NA

Eurofins Pomona

Action Limit Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: TB: Ka'amilo Wells P2 (Continued)

Lab Sample ID: 380-193970-4

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
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	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
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
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
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	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

Surrogate Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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)
380-193970-1	Ka'amilo Wells P1	100	100	103	103	99	99
380-193970-2	TB: Ka'amilo Wells P1	98	98	99	99	100	100
380-193970-3	Ka'amilo Wells P2	103	103	98	98	98	98
380-193970-4	TB: Ka'amilo Wells P2	106	106	101	101	100	100
LCS 380-202868/3	Lab Control Sample	103	103	101	101	101	101
LCS 380-203171/5	Lab Control Sample	102	102	102	102	101	101
LCSD 380-202868/4	Lab Control Sample Dup	93	93	99	99	101	101
LCSD 380-203171/6	Lab Control Sample Dup	102	102	99	99	100	100
MB 380-202868/5	Method Blank	93	93	102	102	100	100
MB 380-203171/8	Method Blank	104	104	102	102	99	99
MRL 380-202832/13	Lab Control Sample	93	93	99	99	99	99
MRL 380-202832/14	Lab Control Sample	95	95	103	103	98	98
MRL 380-203171/3	Lab Control Sample	100	100	104	104	99	99
MRL 380-203171/4	Lab Control Sample	99	99	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)
380-193954-AD-1-A MS	Matrix Spike	98	99	103
380-193954-AE-1-A MSD	Matrix Spike Duplicate	98	97	102
380-193970-1	Ka'amilo Wells P1	97	96	94
380-193970-3	Ka'amilo Wells P2	98	98	95
LCS 380-200935/23-A	Lab Control Sample	97	99	99
MB 380-200935/21-A	Method Blank	95	94	98
MRL 380-200935/22-A	Lab Control Sample	97	92	94

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)
380-193970-1	Ka'amilo Wells P1	56	66	51	59	25	76
380-193970-3	Ka'amilo Wells P2	64	73	59	65	30	78
MB 570-686409/1-A	Method Blank	98	95	73	86	37	102

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Surrogate Summary

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

Job ID: 380-193970-1
 SDG: Quarterly: Ka'amilo Wells P1/P2

2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL6 = Phenol-d6 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-193970-1	Ka'amilo Wells P1	70	67	46	72	29	85
380-193970-3	Ka'amilo Wells P2	84	79	58	80	37	91
570-264273-D-1-A MS	Matrix Spike	102	91	68	101	44	93
570-264273-F-1-A MSD	Matrix Spike Duplicate	85	77	60	85	39	79
LCS 570-686409/2-A	Lab Control Sample	105	88	69	96	44	99
LCSD 570-686409/3-A	Lab Control Sample Dup	95	80	58	82	38	91
MB 570-686409/1-A	Method Blank	97	87	59	89	37	82

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)
380-193954-C-1 MS	Matrix Spike	90
380-193954-E-1 MSD	Matrix Spike Duplicate	100
380-193970-1	Ka'amilo Wells P1	96
380-193970-2	TB: Ka'amilo Wells P1	97
380-193970-3	Ka'amilo Wells P2	99
380-193970-4	TB: Ka'amilo Wells P2	94
LCS 570-688658/3	Lab Control Sample	95
LCSD 570-688658/4	Lab Control Sample Dup	96
MB 570-688658/5	Method Blank	96
MRL 570-688658/6	Lab Control Sample	90

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)
380-193778-G-1-A MS	Matrix Spike	108
380-193779-G-1-A DU	Duplicate	93
380-193970-1	Ka'amilo Wells P1	108
380-193970-2	TB: Ka'amilo Wells P1	100
380-193970-3	Ka'amilo Wells P2	104

Surrogate Summary

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

Job ID: 380-193970-1
 SDG: Quarterly: Ka'amilo Wells P1/P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBPP1 (60-140)
380-193970-4	TB: Ka'amilo Wells P2	98
LCS 380-200585/29-A	Lab Control Sample	100
MBL 380-200585/4-A	Method Blank	98
MRL 380-200585/2-A	Lab Control Sample	98
MRL 380-200585/3-A	Lab Control Sample	94

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

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)	TCX2 (70-130)
380-193784-C-1-A MS	Matrix Spike	101	
380-193784-D-1-A MS	Matrix Spike		99
380-193794-B-1-A MS	Matrix Spike	100	
380-193794-D-1-A MS	Matrix Spike		105
380-193970-1	Ka'amilo Wells P1	99	100
380-193970-3	Ka'amilo Wells P2	98	98
LCS 380-200446/28-A	Lab Control Sample	111	
LCS 380-200446/29-A	Lab Control Sample		103
LCS 380-200446/31-A	Lab Control Sample	106	
LCSD 380-200446/30-A	Lab Control Sample Dup		95
MB 380-200446/3-A	Method Blank	99	100
MRL 380-200446/1-A	Lab Control Sample	98	
MRL 380-200446/2-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)
380-193970-1	Ka'amilo Wells P1	124
380-193970-3	Ka'amilo Wells P2	110
380-194233-C-1-A MS	Matrix Spike	120
380-194233-D-1-A MSD	Matrix Spike Duplicate	115
LCS 570-686737/2-A	Lab Control Sample	92
LCSD 570-686737/3-A	Lab Control Sample Dup	102
MB 570-686737/1-A	Method Blank	117
MRL 570-686737/4-A	Lab Control Sample	121

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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)
380-193970-1	Ka'amilo Wells P1	102
380-193970-3	Ka'amilo Wells P2	115
570-263912-C-1 MS	Matrix Spike	111
570-263912-C-1 MSD	Matrix Spike Duplicate	102
LCS 570-687657/5	Lab Control Sample	117
LCSD 570-687657/6	Lab Control Sample Dup	115
MB 570-687657/3	Method Blank	113
MRL 570-687657/4	Lab Control Sample	75

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MRL 380-202832/13
Matrix: Water
Analysis Batch: 202832

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	0.619		ug/L		124	50 - 150
Vinyl Chloride (VC)	0.250	0.297	J	ug/L		119	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MRL 380-202832/14
Matrix: Water
Analysis Batch: 202832

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	0.420	J	ug/L		84	50 - 150
1,1,1-Trichloroethane	0.500	0.529		ug/L		106	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.569		ug/L		114	50 - 150
1,1,2-Trichloroethane	0.500	0.505		ug/L		101	50 - 150
1,1-Dichlorethylene	0.500	0.598		ug/L		120	50 - 150
1,1-Dichloroethane	0.500	0.556		ug/L		111	50 - 150
1,1-Dichloropropene	0.500	0.573		ug/L		115	50 - 150
1,2,3-Trichlorobenzene	0.500	0.904	^3+	ug/L		181	50 - 150
1,2,3-Trichloropropane	0.500	0.599		ug/L		120	50 - 150
1,2,4-Trichlorobenzene	0.500	0.682		ug/L		136	50 - 150
1,2,4-Trimethylbenzene	0.500	0.555		ug/L		111	50 - 150
1,2-Dichloroethane	0.500	0.545		ug/L		109	50 - 150
1,2-Dichloropropane	0.500	0.544		ug/L		109	50 - 150
1,3,5-Trimethylbenzene	0.500	0.557		ug/L		111	50 - 150
1,3-Dichloropropane	0.500	0.521		ug/L		104	50 - 150
1,3-Dichloropropene, Total	1.00	1.31		ug/L		131	50 - 150
2,2-Dichloropropane	0.500	0.495	J	ug/L		99	50 - 150
2-Butanone (MEK)	5.00	6.72		ug/L		134	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	5.57		ug/L		111	50 - 150
Acetone	5.00	6.63	J	ug/L		133	50 - 150
Benzene	0.500	0.577		ug/L		115	50 - 150
Bromobenzene	0.500	0.592		ug/L		118	50 - 150
Bromochloromethane	0.500	0.570		ug/L		114	50 - 150
Bromodichloromethane	0.500	0.441	J	ug/L		88	50 - 150
Bromoethane	0.500	0.584		ug/L		117	50 - 150
Bromoform	0.500	0.685		ug/L		137	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.695		ug/L		139	50 - 150
Carbon disulfide	0.500	0.475	J	ug/L		95	50 - 150
Carbon tetrachloride	0.500	0.483	J	ug/L		97	50 - 150
Chlorobenzene	0.500	0.539		ug/L		108	50 - 150
Chlorodibromomethane	0.500	0.653		ug/L		131	50 - 150
cis-1,3-Dichloropropene	0.500	0.636		ug/L		127	50 - 150
Dichloromethane	0.500	0.575		ug/L		115	50 - 150
Diisopropyl ether	0.500	0.550	J	ug/L		110	50 - 150
Ethylbenzene	0.500	0.550		ug/L		110	50 - 150

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MRL 380-202832/14
Matrix: Water
Analysis Batch: 202832

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobutadiene	0.500	0.855	^3+	ug/L		171	50 - 150
Isopropylbenzene	0.500	0.540		ug/L		108	50 - 150
m,p-Xylenes	1.00	1.12		ug/L		112	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.608		ug/L		122	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.573		ug/L		115	50 - 150
Naphthalene	0.500	0.735		ug/L		147	50 - 150
n-Butylbenzene	0.500	0.573		ug/L		115	50 - 150
N-Propylbenzene	0.500	0.561		ug/L		112	50 - 150
o-Chlorotoluene	0.500	0.532		ug/L		106	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.589		ug/L		118	50 - 150
o-Xylene	0.500	0.523		ug/L		105	50 - 150
p-Chlorotoluene	0.500	0.574		ug/L		115	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.579		ug/L		116	50 - 150
p-Isopropyltoluene	0.500	0.573		ug/L		115	50 - 150
sec-Butylbenzene	0.500	0.568		ug/L		114	50 - 150
Styrene	0.500	0.506		ug/L		101	50 - 150
Tert-amyl methyl ether	0.500	0.558	J	ug/L		112	50 - 150
Tert-butyl ethyl ether	0.500	0.543	J	ug/L		109	50 - 150
tert-Butylbenzene	0.500	0.576		ug/L		115	50 - 150
Tetrachloroethene (PCE)	0.500	0.529		ug/L		106	50 - 150
Toluene	0.500	0.543		ug/L		109	50 - 150
trans-1,2-Dichloroethylene	0.500	0.495	J	ug/L		99	50 - 150
trans-1,3-Dichloropropene	0.500	0.678		ug/L		136	50 - 150
Trichloroethylene (TCE)	0.500	0.527		ug/L		105	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.575		ug/L		115	50 - 150
Trichlorotrifluoroethane	0.500	0.590		ug/L		118	50 - 150
Vinyl Chloride (VC)	0.500	0.525		ug/L		105	50 - 150
Xylenes, Total	1.50	1.65		ug/L		110	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MB 380-202868/5
Matrix: Water
Analysis Batch: 202868

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			02/03/26 06:47	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/03/26 06:47	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			02/03/26 06:47	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			02/03/26 06:47	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 06:47	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/03/26 06:47	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/03/26 06:47	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			02/03/26 06:47	1

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 380-202868/5
Matrix: Water
Analysis Batch: 202868

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/03/26 06:47	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 06:47	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
1,3-Dichloropropane	<0.50		0.50	ug/L			02/03/26 06:47	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			02/03/26 06:47	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 06:47	1
2-Butanone (MEK)	<5.0		5.0	ug/L			02/03/26 06:47	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			02/03/26 06:47	1
Acetone	<500		500	ug/L			02/03/26 06:47	1
Benzene	<0.50		0.50	ug/L			02/03/26 06:47	1
Bromobenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
Bromochloromethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Bromodichloromethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Bromoethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Bromoform	<0.50		0.50	ug/L			02/03/26 06:47	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/03/26 06:47	1
Carbon disulfide	<0.50		0.50	ug/L			02/03/26 06:47	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/03/26 06:47	1
Chlorobenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
Chlorodibromomethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Chloroethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/03/26 06:47	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			02/03/26 06:47	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 06:47	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 06:47	1
Dibromomethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Dichloromethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Diisopropyl ether	<3.0		3.0	ug/L			02/03/26 06:47	1
Ethylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
Hexachlorobutadiene	<0.50		0.50	ug/L			02/03/26 06:47	1
Isopropylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
m,p-Xylenes	<0.50		0.50	ug/L			02/03/26 06:47	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			02/03/26 06:47	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/03/26 06:47	1
Naphthalene	<0.50		0.50	ug/L			02/03/26 06:47	1
n-Butylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
N-Propylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
o-Chlorotoluene	<0.50		0.50	ug/L			02/03/26 06:47	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			02/03/26 06:47	1
o-Xylene	<0.50		0.50	ug/L			02/03/26 06:47	1
p-Chlorotoluene	<0.50		0.50	ug/L			02/03/26 06:47	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			02/03/26 06:47	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/03/26 06:47	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
Styrene	<0.50		0.50	ug/L			02/03/26 06:47	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			02/03/26 06:47	1

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 380-202868/5
Matrix: Water
Analysis Batch: 202868

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/03/26 06:47	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/03/26 06:47	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/03/26 06:47	1
Toluene	<0.50		0.50	ug/L			02/03/26 06:47	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 06:47	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 06:47	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/03/26 06:47	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			02/03/26 06:47	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			02/03/26 06:47	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			02/03/26 06:47	1
Xylenes, Total	<0.50		0.50	ug/L			02/03/26 06:47	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		02/03/26 06:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		02/03/26 06:47	1
4-Bromofluorobenzene (Surr)	102		70 - 130		02/03/26 06:47	1
Toluene-d8 (Surr)	100		70 - 130		02/03/26 06:47	1

Lab Sample ID: LCS 380-202868/3
Matrix: Water
Analysis Batch: 202868

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	5.08		ug/L		102	70 - 130
1,1,1-Trichloroethane	5.00	5.50		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.81		ug/L		116	70 - 130
1,1,2-Trichloroethane	5.00	5.24		ug/L		105	70 - 130
1,1-Dichlorethylene	5.00	6.07		ug/L		121	70 - 130
1,1-Dichloroethane	5.00	5.65		ug/L		113	70 - 130
1,1-Dichloropropene	5.00	5.95		ug/L		119	70 - 130
1,2,3-Trichlorobenzene	5.00	6.97	*+	ug/L		139	70 - 130
1,2,3-Trichloropropane	5.00	5.64		ug/L		113	70 - 130
1,2,4-Trichlorobenzene	5.00	5.56		ug/L		111	70 - 130
1,2,4-Trimethylbenzene	5.00	5.39		ug/L		108	70 - 130
1,2-Dichloroethane	5.00	5.57		ug/L		111	70 - 130
1,2-Dichloropropane	5.00	5.54		ug/L		111	70 - 130
1,3,5-Trimethylbenzene	5.00	5.57		ug/L		111	70 - 130
1,3-Dichloropropane	5.00	5.48		ug/L		110	70 - 130
1,3-Dichloropropene, Total	10.0	9.96		ug/L		100	70 - 130
2,2-Dichloropropane	5.00	4.74		ug/L		95	70 - 130
2-Butanone (MEK)	50.0	57.8		ug/L		116	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	56.0		ug/L		112	70 - 130
Acetone	50.0	56.2	J	ug/L		112	70 - 130
Benzene	5.00	5.80		ug/L		116	70 - 130
Bromobenzene	5.00	5.45		ug/L		109	70 - 130
Bromochloromethane	5.00	5.66		ug/L		113	70 - 130

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 380-202868/3
Matrix: Water
Analysis Batch: 202868

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	5.00	5.49		ug/L		110	70 - 130
Bromoethane	5.00	5.16		ug/L		103	70 - 130
Bromoform	5.00	5.51		ug/L		110	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.81		ug/L		116	70 - 130
Carbon disulfide	5.00	5.43		ug/L		109	70 - 130
Carbon tetrachloride	5.00	5.34		ug/L		107	70 - 130
Chlorobenzene	5.00	5.62		ug/L		112	70 - 130
Chlorodibromomethane	5.00	5.44		ug/L		109	70 - 130
cis-1,3-Dichloropropene	5.00	5.05		ug/L		101	70 - 130
Dichloromethane	5.00	5.56		ug/L		111	70 - 130
Diisopropyl ether	5.00	5.35		ug/L		107	70 - 130
Ethylbenzene	5.00	5.75		ug/L		115	70 - 130
Hexachlorobutadiene	5.00	5.17		ug/L		103	70 - 130
Isopropylbenzene	5.00	5.53		ug/L		111	70 - 130
m,p-Xylenes	10.0	11.7		ug/L		117	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.54		ug/L		111	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	5.07		ug/L		101	70 - 130
Naphthalene	5.00	6.72	*+	ug/L		134	70 - 130
n-Butylbenzene	5.00	5.16		ug/L		103	70 - 130
N-Propylbenzene	5.00	5.66		ug/L		113	70 - 130
o-Chlorotoluene	5.00	5.58		ug/L		112	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.30		ug/L		106	70 - 130
o-Xylene	5.00	5.61		ug/L		112	70 - 130
p-Chlorotoluene	5.00	5.61		ug/L		112	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.39		ug/L		108	70 - 130
p-Isopropyltoluene	5.00	5.43		ug/L		109	70 - 130
sec-Butylbenzene	5.00	5.56		ug/L		111	70 - 130
Styrene	5.00	5.48		ug/L		110	70 - 130
Tert-amyl methyl ether	5.00	5.30		ug/L		106	70 - 130
Tert-butyl ethyl ether	5.00	5.39		ug/L		108	70 - 130
tert-Butylbenzene	5.00	5.46		ug/L		109	70 - 130
Tetrachloroethene (PCE)	5.00	5.60		ug/L		112	70 - 130
Toluene	5.00	5.47		ug/L		109	70 - 130
trans-1,2-Dichloroethylene	5.00	5.36		ug/L		107	70 - 130
trans-1,3-Dichloropropene	5.00	4.91		ug/L		98	70 - 130
Trichloroethylene (TCE)	5.00	5.61		ug/L		112	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	8.02	*+	ug/L		160	70 - 130
Trichlorotrifluoroethane	5.00	7.02	*+	ug/L		140	70 - 130
Vinyl Chloride (VC)	5.00	6.94	*+	ug/L		139	70 - 130
Xylenes, Total	15.0	17.3		ug/L		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCSD 380-202868/4
Matrix: Water
Analysis Batch: 202868

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	5.10		ug/L		102	70 - 130	0	20
1,1,1-Trichloroethane	5.00	5.43		ug/L		109	70 - 130	1	20
1,1,2,2-Tetrachloroethane	5.00	5.72		ug/L		114	70 - 130	2	20
1,1,2-Trichloroethane	5.00	5.29		ug/L		106	70 - 130	1	20
1,1-Dichloroethylene	5.00	5.84		ug/L		117	70 - 130	4	20
1,1-Dichloroethane	5.00	5.54		ug/L		111	70 - 130	2	20
1,1-Dichloropropene	5.00	5.86		ug/L		117	70 - 130	2	20
1,2,3-Trichlorobenzene	5.00	6.06		ug/L		121	70 - 130	14	20
1,2,3-Trichloropropane	5.00	5.36		ug/L		107	70 - 130	5	20
1,2,4-Trichlorobenzene	5.00	5.57		ug/L		111	70 - 130	0	20
1,2,4-Trimethylbenzene	5.00	5.32		ug/L		106	70 - 130	1	20
1,2-Dichloroethane	5.00	5.57		ug/L		111	70 - 130	0	20
1,2-Dichloropropane	5.00	5.46		ug/L		109	70 - 130	1	20
1,3,5-Trimethylbenzene	5.00	5.48		ug/L		110	70 - 130	2	20
1,3-Dichloropropane	5.00	5.44		ug/L		109	70 - 130	1	20
1,3-Dichloropropene, Total	10.0	9.91		ug/L		99	70 - 130	1	20
2,2-Dichloropropane	5.00	4.59		ug/L		92	70 - 130	3	20
2-Butanone (MEK)	50.0	53.5		ug/L		107	70 - 130	8	20
4-Methyl-2-pentanone (MIBK)	50.0	54.7		ug/L		109	70 - 130	2	20
Acetone	50.0	51.9	J	ug/L		104	70 - 130	8	20
Benzene	5.00	5.08		ug/L		102	70 - 130	13	20
Bromobenzene	5.00	5.22		ug/L		104	70 - 130	4	20
Bromochloromethane	5.00	5.49		ug/L		110	70 - 130	3	20
Bromodichloromethane	5.00	5.40		ug/L		108	70 - 130	2	20
Bromoethane	5.00	4.95		ug/L		99	70 - 130	4	20
Bromoform	5.00	5.42		ug/L		108	70 - 130	2	20
Bromomethane (Methyl Bromide)	5.00	5.77		ug/L		115	70 - 130	1	20
Carbon disulfide	5.00	5.69		ug/L		114	70 - 130	5	20
Carbon tetrachloride	5.00	5.23		ug/L		105	70 - 130	2	20
Chlorobenzene	5.00	5.52		ug/L		110	70 - 130	2	20
Chlorodibromomethane	5.00	5.31		ug/L		106	70 - 130	2	20
cis-1,3-Dichloropropene	5.00	4.97		ug/L		99	70 - 130	1	20
Dichloromethane	5.00	5.59		ug/L		112	70 - 130	1	20
Diisopropyl ether	5.00	5.15		ug/L		103	70 - 130	4	20
Ethylbenzene	5.00	5.73		ug/L		115	70 - 130	0	20
Hexachlorobutadiene	5.00	5.22		ug/L		104	70 - 130	1	20
Isopropylbenzene	5.00	5.56		ug/L		111	70 - 130	1	20
m,p-Xylenes	10.0	11.8		ug/L		118	70 - 130	1	20
m-Dichlorobenzene (1,3-DCB)	5.00	5.37		ug/L		107	70 - 130	3	20
Methyl-tert-butyl Ether (MTBE)	5.00	5.02		ug/L		100	70 - 130	1	20
Naphthalene	5.00	6.07		ug/L		121	70 - 130	10	20
n-Butylbenzene	5.00	5.26		ug/L		105	70 - 130	2	20
N-Propylbenzene	5.00	5.74		ug/L		115	70 - 130	1	20
o-Chlorotoluene	5.00	5.40		ug/L		108	70 - 130	3	20
o-Dichlorobenzene (1,2-DCB)	5.00	5.43		ug/L		109	70 - 130	2	20
o-Xylene	5.00	5.57		ug/L		111	70 - 130	1	20
p-Chlorotoluene	5.00	5.49		ug/L		110	70 - 130	2	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.52		ug/L		110	70 - 130	2	20

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCSD 380-202868/4
Matrix: Water
Analysis Batch: 202868

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
p-Isopropyltoluene	5.00	5.35		ug/L		107	70 - 130	1	20
sec-Butylbenzene	5.00	5.52		ug/L		110	70 - 130	1	20
Styrene	5.00	5.36		ug/L		107	70 - 130	2	20
Tert-amyl methyl ether	5.00	5.23		ug/L		105	70 - 130	1	20
Tert-butyl ethyl ether	5.00	5.31		ug/L		106	70 - 130	1	20
tert-Butylbenzene	5.00	5.55		ug/L		111	70 - 130	2	20
Tetrachloroethene (PCE)	5.00	5.50		ug/L		110	70 - 130	2	20
Toluene	5.00	5.40		ug/L		108	70 - 130	1	20
trans-1,2-Dichloroethylene	5.00	5.49		ug/L		110	70 - 130	2	20
trans-1,3-Dichloropropene	5.00	4.94		ug/L		99	70 - 130	1	20
Trichloroethylene (TCE)	5.00	5.45		ug/L		109	70 - 130	3	20
Trichlorofluoromethane (Freon 11)	5.00	7.92	*+	ug/L		158	70 - 130	1	20
Trichlorotrifluoroethane	5.00	6.95	*+	ug/L		139	70 - 130	1	20
Vinyl Chloride (VC)	5.00	6.97	*+	ug/L		139	70 - 130	0	20
Xylenes, Total	15.0	17.3		ug/L		116	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 380-203171/8
Matrix: Water
Analysis Batch: 203171

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			02/03/26 20:22	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			02/03/26 20:22	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,3-Dichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			02/03/26 20:22	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
2-Butanone (MEK)	<5.0		5.0	ug/L			02/03/26 20:22	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			02/03/26 20:22	1
Acetone	<500		500	ug/L			02/03/26 20:22	1
Benzene	<0.50		0.50	ug/L			02/03/26 20:22	1

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 380-203171/8
Matrix: Water
Analysis Batch: 203171

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromochloromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromodichloromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromoethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromoform	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/03/26 20:22	1
Carbon disulfide	<0.50		0.50	ug/L			02/03/26 20:22	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/03/26 20:22	1
Chlorobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Chlorodibromomethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Chloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/03/26 20:22	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			02/03/26 20:22	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 20:22	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 20:22	1
Dibromomethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Dichloromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Diisopropyl ether	<3.0		3.0	ug/L			02/03/26 20:22	1
Ethylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Hexachlorobutadiene	<0.50		0.50	ug/L			02/03/26 20:22	1
Isopropylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
m,p-Xylenes	<0.50		0.50	ug/L			02/03/26 20:22	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			02/03/26 20:22	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/03/26 20:22	1
Naphthalene	<0.50		0.50	ug/L			02/03/26 20:22	1
n-Butylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
N-Propylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
o-Chlorotoluene	<0.50		0.50	ug/L			02/03/26 20:22	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			02/03/26 20:22	1
o-Xylene	<0.50		0.50	ug/L			02/03/26 20:22	1
p-Chlorotoluene	<0.50		0.50	ug/L			02/03/26 20:22	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			02/03/26 20:22	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/03/26 20:22	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Styrene	<0.50		0.50	ug/L			02/03/26 20:22	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			02/03/26 20:22	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/03/26 20:22	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/03/26 20:22	1
Toluene	<0.50		0.50	ug/L			02/03/26 20:22	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 20:22	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 20:22	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/03/26 20:22	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			02/03/26 20:22	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			02/03/26 20:22	1
Xylenes, Total	<0.50		0.50	ug/L			02/03/26 20:22	1

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 380-203171/8
Matrix: Water
Analysis Batch: 203171

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

<i>Tentatively Identified Compound</i>	<i>MB</i>	<i>MB</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	None		ug/L			N/A		02/03/26 20:22	1

<i>Surrogate</i>	<i>MB</i>	<i>MB</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	104		70 - 130		02/03/26 20:22	1
<i>4-Bromofluorobenzene (Surr)</i>	102		70 - 130		02/03/26 20:22	1
<i>Toluene-d8 (Surr)</i>	99		70 - 130		02/03/26 20:22	1

Lab Sample ID: LCS 380-203171/5
Matrix: Water
Analysis Batch: 203171

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1,1,2-Tetrachloroethane	5.00	5.24		ug/L		105	70 - 130
1,1,1-Trichloroethane	5.00	5.51		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.96		ug/L		119	70 - 130
1,1,2-Trichloroethane	5.00	5.51		ug/L		110	70 - 130
1,1-Dichlorethylene	5.00	6.02		ug/L		120	70 - 130
1,1-Dichloroethane	5.00	5.80		ug/L		116	70 - 130
1,1-Dichloropropene	5.00	5.99		ug/L		120	70 - 130
1,2,3-Trichlorobenzene	5.00	5.08		ug/L		102	70 - 130
1,2,3-Trichloropropane	5.00	5.71		ug/L		114	70 - 130
1,2,4-Trichlorobenzene	5.00	5.04		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	5.00	5.38		ug/L		108	70 - 130
1,2-Dichloroethane	5.00	5.48		ug/L		110	70 - 130
1,2-Dichloropropane	5.00	5.67		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	5.00	5.69		ug/L		114	70 - 130
1,3-Dichloropropane	5.00	5.81		ug/L		116	70 - 130
1,3-Dichloropropene, Total	10.0	10.2		ug/L		102	70 - 130
2,2-Dichloropropane	5.00	5.60		ug/L		112	70 - 130
2-Butanone (MEK)	50.0	55.3		ug/L		111	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	57.3		ug/L		115	70 - 130
Acetone	50.0	51.6	J	ug/L		103	70 - 130
Benzene	5.00	5.97		ug/L		119	70 - 130
Bromobenzene	5.00	5.45		ug/L		109	70 - 130
Bromochloromethane	5.00	5.74		ug/L		115	70 - 130
Bromodichloromethane	5.00	5.67		ug/L		113	70 - 130
Bromoethane	5.00	5.23		ug/L		105	70 - 130
Bromoform	5.00	5.47		ug/L		109	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.99		ug/L		120	70 - 130
Carbon disulfide	5.00	5.25		ug/L		105	70 - 130
Carbon tetrachloride	5.00	5.27		ug/L		105	70 - 130
Chlorobenzene	5.00	5.71		ug/L		114	70 - 130
Chlorodibromomethane	5.00	5.48		ug/L		110	70 - 130
cis-1,3-Dichloropropene	5.00	5.21		ug/L		104	70 - 130
Dichloromethane	5.00	5.73		ug/L		115	70 - 130
Diisopropyl ether	5.00	5.37		ug/L		107	70 - 130
Ethylbenzene	5.00	5.87		ug/L		117	70 - 130
Hexachlorobutadiene	5.00	4.72		ug/L		94	70 - 130

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 380-203171/5
Matrix: Water
Analysis Batch: 203171

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isopropylbenzene	5.00	5.68		ug/L		114	70 - 130
m,p-Xylenes	10.0	11.9		ug/L		119	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.63		ug/L		113	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	5.19		ug/L		104	70 - 130
Naphthalene	5.00	5.16		ug/L		103	70 - 130
n-Butylbenzene	5.00	5.12		ug/L		102	70 - 130
N-Propylbenzene	5.00	5.85		ug/L		117	70 - 130
o-Chlorotoluene	5.00	5.77		ug/L		115	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.52		ug/L		110	70 - 130
o-Xylene	5.00	5.79		ug/L		116	70 - 130
p-Chlorotoluene	5.00	5.84		ug/L		117	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.74		ug/L		115	70 - 130
p-Isopropyltoluene	5.00	5.44		ug/L		109	70 - 130
sec-Butylbenzene	5.00	5.48		ug/L		110	70 - 130
Styrene	5.00	5.76		ug/L		115	70 - 130
Tert-amyl methyl ether	5.00	5.33		ug/L		107	70 - 130
Tert-butyl ethyl ether	5.00	5.57		ug/L		111	70 - 130
tert-Butylbenzene	5.00	5.37		ug/L		107	70 - 130
Tetrachloroethene (PCE)	5.00	5.70		ug/L		114	70 - 130
Toluene	5.00	5.66		ug/L		113	70 - 130
trans-1,2-Dichloroethylene	5.00	5.40		ug/L		108	70 - 130
trans-1,3-Dichloropropene	5.00	4.94		ug/L		99	70 - 130
Trichloroethylene (TCE)	5.00	5.65		ug/L		113	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	7.74	*+	ug/L		155	70 - 130
Trichlorotrifluoroethane	5.00	6.84	*+	ug/L		137	70 - 130
Vinyl Chloride (VC)	5.00	7.05	*+	ug/L		141	70 - 130
Xylenes, Total	15.0	17.7		ug/L		118	70 - 130

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

Lab Sample ID: LCSD 380-203171/6
Matrix: Water
Analysis Batch: 203171

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	5.09		ug/L		102	70 - 130	3	20
1,1,1-Trichloroethane	5.00	5.20		ug/L		104	70 - 130	6	20
1,1,1,2,2-Tetrachloroethane	5.00	5.69		ug/L		114	70 - 130	5	20
1,1,2-Trichloroethane	5.00	5.18		ug/L		104	70 - 130	6	20
1,1-Dichloroethylene	5.00	5.68		ug/L		114	70 - 130	6	20
1,1-Dichloroethane	5.00	5.54		ug/L		111	70 - 130	5	20
1,1-Dichloropropene	5.00	5.76		ug/L		115	70 - 130	4	20
1,2,3-Trichlorobenzene	5.00	6.00		ug/L		120	70 - 130	17	20
1,2,3-Trichloropropane	5.00	5.64		ug/L		113	70 - 130	1	20
1,2,4-Trichlorobenzene	5.00	5.38		ug/L		108	70 - 130	6	20

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCSD 380-203171/6
Matrix: Water
Analysis Batch: 203171

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
1,2,4-Trimethylbenzene	5.00	5.29		ug/L		106	70 - 130	2	20
1,2-Dichloroethane	5.00	5.46		ug/L		109	70 - 130	0	20
1,2-Dichloropropane	5.00	5.36		ug/L		107	70 - 130	5	20
1,3,5-Trimethylbenzene	5.00	5.42		ug/L		108	70 - 130	5	20
1,3-Dichloropropane	5.00	5.69		ug/L		114	70 - 130	2	20
1,3-Dichloropropene, Total	10.0	10.1		ug/L		101	70 - 130	0	20
2,2-Dichloropropane	5.00	5.37		ug/L		107	70 - 130	4	20
2-Butanone (MEK)	50.0	54.6		ug/L		109	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	50.0	56.4		ug/L		113	70 - 130	2	20
Acetone	50.0	50.3	J	ug/L		101	70 - 130	3	20
Benzene	5.00	5.74		ug/L		115	70 - 130	4	20
Bromobenzene	5.00	5.35		ug/L		107	70 - 130	2	20
Bromochloromethane	5.00	5.45		ug/L		109	70 - 130	5	20
Bromodichloromethane	5.00	5.37		ug/L		107	70 - 130	5	20
Bromoethane	5.00	4.99		ug/L		100	70 - 130	5	20
Bromoform	5.00	5.36		ug/L		107	70 - 130	2	20
Bromomethane (Methyl Bromide)	5.00	5.79		ug/L		116	70 - 130	3	20
Carbon disulfide	5.00	5.32		ug/L		106	70 - 130	1	20
Carbon tetrachloride	5.00	4.97		ug/L		99	70 - 130	6	20
Chlorobenzene	5.00	5.58		ug/L		112	70 - 130	2	20
Chlorodibromomethane	5.00	5.46		ug/L		109	70 - 130	0	20
cis-1,3-Dichloropropene	5.00	5.04		ug/L		101	70 - 130	3	20
Dichloromethane	5.00	5.50		ug/L		110	70 - 130	4	20
Diisopropyl ether	5.00	5.29		ug/L		106	70 - 130	2	20
Ethylbenzene	5.00	5.65		ug/L		113	70 - 130	4	20
Hexachlorobutadiene	5.00	5.00		ug/L		100	70 - 130	6	20
Isopropylbenzene	5.00	5.45		ug/L		109	70 - 130	4	20
m,p-Xylenes	10.0	11.7		ug/L		117	70 - 130	2	20
m-Dichlorobenzene (1,3-DCB)	5.00	5.40		ug/L		108	70 - 130	4	20
Methyl-tert-butyl Ether (MTBE)	5.00	5.05		ug/L		101	70 - 130	3	20
Naphthalene	5.00	6.32		ug/L		126	70 - 130	20	20
n-Butylbenzene	5.00	5.08		ug/L		102	70 - 130	1	20
N-Propylbenzene	5.00	5.57		ug/L		111	70 - 130	5	20
o-Chlorotoluene	5.00	5.39		ug/L		108	70 - 130	7	20
o-Dichlorobenzene (1,2-DCB)	5.00	5.48		ug/L		110	70 - 130	1	20
o-Xylene	5.00	5.55		ug/L		111	70 - 130	4	20
p-Chlorotoluene	5.00	5.46		ug/L		109	70 - 130	7	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.52		ug/L		110	70 - 130	4	20
p-Isopropyltoluene	5.00	5.15		ug/L		103	70 - 130	5	20
sec-Butylbenzene	5.00	5.20		ug/L		104	70 - 130	5	20
Styrene	5.00	5.57		ug/L		111	70 - 130	3	20
Tert-amyl methyl ether	5.00	5.29		ug/L		106	70 - 130	1	20
Tert-butyl ethyl ether	5.00	5.42		ug/L		108	70 - 130	3	20
tert-Butylbenzene	5.00	5.09		ug/L		102	70 - 130	5	20
Tetrachloroethene (PCE)	5.00	5.35		ug/L		107	70 - 130	6	20
Toluene	5.00	5.42		ug/L		108	70 - 130	5	20
trans-1,2-Dichloroethylene	5.00	5.35		ug/L		107	70 - 130	1	20
trans-1,3-Dichloropropene	5.00	5.08		ug/L		102	70 - 130	3	20
Trichloroethylene (TCE)	5.00	5.41		ug/L		108	70 - 130	4	20

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCSD 380-203171/6
Matrix: Water
Analysis Batch: 203171

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
Trichlorofluoromethane (Freon 11)	5.00	7.25	*+	ug/L		145	70 - 130	6	20
Trichlorotrifluoroethane	5.00	6.31		ug/L		126	70 - 130	8	20
Vinyl Chloride (VC)	5.00	6.53	*+	ug/L		131	70 - 130	8	20
Xylenes, Total	15.0	17.2		ug/L		115	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: MRL 380-203171/3
Matrix: Water
Analysis Batch: 203171

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	0.898	^3+	ug/L		180	50 - 150
Vinyl Chloride (VC)	0.250	0.574	^3+	ug/L		229	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MRL 380-203171/4
Matrix: Water
Analysis Batch: 203171

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	0.648		ug/L		130	50 - 150
1,1,1-Trichloroethane	0.500	0.607		ug/L		121	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.989	^3+	ug/L		198	50 - 150
1,1,2-Trichloroethane	0.500	0.799	^3+	ug/L		160	50 - 150
1,1-Dichloroethylene	0.500	0.791	^3+	ug/L		158	50 - 150
1,1-Dichloroethane	0.500	0.696		ug/L		139	50 - 150
1,1-Dichloropropene	0.500	0.738		ug/L		148	50 - 150
1,2,3-Trichlorobenzene	0.500	1.14	^3+	ug/L		228	50 - 150
1,2,3-Trichloropropane	0.500	0.921	^3+	ug/L		184	50 - 150
1,2,4-Trichlorobenzene	0.500	0.909	^3+	ug/L		182	50 - 150
1,2,4-Trimethylbenzene	0.500	0.754	^3+	ug/L		151	50 - 150
1,2-Dichloroethane	0.500	0.698		ug/L		140	50 - 150
1,2-Dichloropropane	0.500	0.728		ug/L		146	50 - 150
1,3,5-Trimethylbenzene	0.500	0.769	^3+	ug/L		154	50 - 150
1,3-Dichloropropane	0.500	0.800	^3+	ug/L		160	50 - 150
1,3-Dichloropropene, Total	1.00	1.69	^3+	ug/L		169	50 - 150
2,2-Dichloropropane	0.500	0.644		ug/L		129	50 - 150
2-Butanone (MEK)	5.00	9.88	^3+	ug/L		198	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	8.86	^3+	ug/L		177	50 - 150

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MRL 380-203171/4
Matrix: Water
Analysis Batch: 203171

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	5.00	6.04	J	ug/L		121	50 - 150
Benzene	0.500	0.717		ug/L		143	50 - 150
Bromobenzene	0.500	0.830	^3+	ug/L		166	50 - 150
Bromochloromethane	0.500	0.718		ug/L		144	50 - 150
Bromodichloromethane	0.500	0.626		ug/L		125	50 - 150
Bromoethane	0.500	0.615		ug/L		123	50 - 150
Bromoform	0.500	0.878	^3+	ug/L		176	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.668		ug/L		134	50 - 150
Carbon disulfide	0.500	0.544		ug/L		109	50 - 150
Carbon tetrachloride	0.500	0.607		ug/L		121	50 - 150
Chlorobenzene	0.500	0.782	^3+	ug/L		156	50 - 150
Chlorodibromomethane	0.500	0.879	^3+	ug/L		176	50 - 150
cis-1,3-Dichloropropene	0.500	0.814	^3+	ug/L		163	50 - 150
Dichloromethane	0.500	0.744		ug/L		149	50 - 150
Diisopropyl ether	0.500	0.705	J	ug/L		141	50 - 150
Ethylbenzene	0.500	0.731		ug/L		146	50 - 150
Hexachlorobutadiene	0.500	0.802	^3+	ug/L		160	50 - 150
Isopropylbenzene	0.500	0.739		ug/L		148	50 - 150
m,p-Xylenes	1.00	1.49		ug/L		149	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.898	^3+	ug/L		180	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.706		ug/L		141	50 - 150
Naphthalene	0.500	1.05	^3+	ug/L		211	50 - 150
n-Butylbenzene	0.500	0.740		ug/L		148	50 - 150
N-Propylbenzene	0.500	0.787	^3+	ug/L		157	50 - 150
o-Chlorotoluene	0.500	0.805	^3+	ug/L		161	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.935	^3+	ug/L		187	50 - 150
o-Xylene	0.500	0.780	^3+	ug/L		156	50 - 150
p-Chlorotoluene	0.500	0.844	^3+	ug/L		169	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.910	^3+	ug/L		182	50 - 150
p-Isopropyltoluene	0.500	0.712		ug/L		142	50 - 150
sec-Butylbenzene	0.500	0.703		ug/L		141	50 - 150
Styrene	0.500	0.760	^3+	ug/L		152	50 - 150
Tert-amyl methyl ether	0.500	0.765	J ^3+	ug/L		153	50 - 150
Tert-butyl ethyl ether	0.500	0.751	J	ug/L		150	50 - 150
tert-Butylbenzene	0.500	0.745		ug/L		149	50 - 150
Tetrachloroethene (PCE)	0.500	0.692		ug/L		138	50 - 150
Toluene	0.500	0.673		ug/L		135	50 - 150
trans-1,2-Dichloroethylene	0.500	0.710		ug/L		142	50 - 150
trans-1,3-Dichloropropene	0.500	0.876	^3+	ug/L		175	50 - 150
Trichloroethylene (TCE)	0.500	0.672		ug/L		134	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.989	^3+	ug/L		198	50 - 150
Trichlorotrifluoroethane	0.500	0.855	^3+	ug/L		171	50 - 150
Vinyl Chloride (VC)	0.500	0.833	^3+	ug/L		167	50 - 150
Xylenes, Total	1.50	2.27	^3+	ug/L		151	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MRL 380-203171/4
Matrix: Water
Analysis Batch: 203171

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

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	101		70 - 130

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

Lab Sample ID: MB 380-200935/21-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200935

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
2,4'-DDE	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
2,4'-DDT	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
4,4'-DDD	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
4,4'-DDE	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
4,4'-DDT	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Acenaphthene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Acenaphthylene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Acetochlor	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Alachlor	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
alpha-BHC	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
alpha-Chlordane	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Anthracene	<0.020		0.020	ug/L		01/26/26 08:10	01/27/26 14:08	1
Atrazine	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Benz(a)anthracene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Benzo[a]pyrene	<0.020		0.020	ug/L		01/26/26 08:10	01/27/26 14:08	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		01/26/26 08:10	01/27/26 14:08	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		01/26/26 08:10	01/27/26 14:08	1
beta-BHC	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		01/26/26 08:10	01/27/26 14:08	1
Aldrin	<0.0099		0.0099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Bromacil	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Butachlor	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Butylbenzylphthalate	<0.50		0.50	ug/L		01/26/26 08:10	01/27/26 14:08	1
Chlorobenzilate	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Chloroneb	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Chlorpyrifos	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Chrysene	<0.020		0.020	ug/L		01/26/26 08:10	01/27/26 14:08	1
delta-BHC	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		01/26/26 08:10	01/27/26 14:08	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Dieldrin	<0.0099		0.0099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Diethylphthalate	<0.50		0.50	ug/L		01/26/26 08:10	01/27/26 14:08	1
Dimethylphthalate	<0.50		0.50	ug/L		01/26/26 08:10	01/27/26 14:08	1

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 380-200935/21-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200935

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	<0.99		0.99	ug/L		01/26/26 08:10	01/27/26 14:08	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Endosulfan sulfate	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Endrin	<0.0099		0.0099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Endrin aldehyde	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
EPTC	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Fluoranthene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Fluorene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
gamma-BHC (Lindane)	<0.0099		0.0099	ug/L		01/26/26 08:10	01/27/26 14:08	1
gamma-Chlordane	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Heptachlor	<0.0099		0.0099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Hexachlorobenzene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Isophorone	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Malathion	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Methoxychlor	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Metolachlor	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Molinate	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Naphthalene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Parathion	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Phenanthrene	<0.040		0.040	ug/L		01/26/26 08:10	01/27/26 14:08	1
Propachlor	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Pyrene	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Simazine	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Terbacil	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Terbutylazine	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Thiobencarb	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		01/26/26 08:10	01/27/26 14:08	1
trans-Nonachlor	<0.050		0.050	ug/L		01/26/26 08:10	01/27/26 14:08	1
Trifluralin	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
1-Methylnaphthalene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1
2-Methylnaphthalene	<0.099		0.099	ug/L		01/26/26 08:10	01/27/26 14:08	1

<i>Tentatively Identified Compound</i>	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Undecane	3.24	T J N	ug/L		3.21	1120-21-4	01/26/26 08:10	01/27/26 14:08	1
Cyclopentasiloxane, decamethyl-	1.05	T J N	ug/L		3.35	541-02-6	01/26/26 08:10	01/27/26 14:08	1
Cyclohexasiloxane, dodecamethyl-	1.08	T J N	ug/L		3.97	540-97-6	01/26/26 08:10	01/27/26 14:08	1
9-Octadecenamide, (Z)-	1.30	T J N	ug/L		8.05	301-02-0	01/26/26 08:10	01/27/26 14:08	1
13-Docosenamide, (Z)-	0.564	T J N	ug/L		10.60	112-84-5	01/26/26 08:10	01/27/26 14:08	1
Unknown	0.776	T J	ug/L		15.16	N/A	01/26/26 08:10	01/27/26 14:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	95		70 - 130	01/26/26 08:10	01/27/26 14:08	1

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 380-200935/21-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200935

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Perylene-d12	94		70 - 130	01/26/26 08:10	01/27/26 14:08	1
Triphenylphosphate	98		70 - 130	01/26/26 08:10	01/27/26 14:08	1

Lab Sample ID: LCS 380-200935/23-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	1.99	1.98		ug/L		99	70 - 130
2,4'-DDE	1.99	2.14		ug/L		108	70 - 130
2,4'-DDT	1.99	1.93		ug/L		97	70 - 130
2,4-Dinitrotoluene	1.99	1.86		ug/L		93	70 - 130
2,6-Dinitrotoluene	1.99	1.86		ug/L		93	70 - 130
4,4'-DDD	1.99	2.10		ug/L		105	70 - 130
4,4'-DDE	1.99	1.97		ug/L		99	70 - 130
4,4'-DDT	1.99	1.95		ug/L		98	70 - 130
Acenaphthene	1.99	1.97		ug/L		99	70 - 130
Acenaphthylene	1.99	2.05		ug/L		103	70 - 130
Acetochlor	1.99	2.12		ug/L		107	70 - 130
Alachlor	1.99	2.13		ug/L		107	70 - 130
alpha-BHC	1.99	1.97		ug/L		99	70 - 130
alpha-Chlordane	1.99	2.01		ug/L		101	70 - 130
Anthracene	1.99	1.98		ug/L		100	70 - 130
Atrazine	1.99	2.13		ug/L		107	70 - 130
Benz(a)anthracene	1.99	1.87		ug/L		94	70 - 130
Benzo[a]pyrene	1.99	2.08		ug/L		105	70 - 130
Benzo[b]fluoranthene	1.99	2.02		ug/L		102	70 - 130
Benzo[g,h,i]perylene	1.99	2.10		ug/L		106	70 - 130
Benzo[k]fluoranthene	1.99	2.06		ug/L		104	70 - 130
beta-BHC	1.99	1.97		ug/L		99	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.18		ug/L		110	70 - 130
Aldrin	1.99	1.87		ug/L		94	70 - 130
Bromacil	1.99	1.83		ug/L		92	70 - 130
Butachlor	1.99	2.20		ug/L		110	70 - 130
Butylbenzylphthalate	1.99	2.03		ug/L		102	70 - 130
Chlorobenzilate	1.99	2.15		ug/L		108	70 - 130
Chloroneb	1.99	1.99		ug/L		100	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.02		ug/L		101	70 - 130
Chlorpyrifos	1.99	1.95		ug/L		98	70 - 130
Chrysene	1.99	2.00		ug/L		101	70 - 130
delta-BHC	1.99	1.99		ug/L		100	70 - 130
Di(2-ethylhexyl)adipate	1.99	1.95		ug/L		98	70 - 130
Dibenz(a,h)anthracene	1.99	2.05		ug/L		103	70 - 130
Diclorvos (DDVP)	1.99	1.98		ug/L		100	70 - 130
Dieldrin	1.99	2.12		ug/L		107	70 - 130
Diethylphthalate	1.99	2.13		ug/L		107	70 - 130
Dimethylphthalate	1.99	2.01		ug/L		101	70 - 130
Di-n-butyl phthalate	3.98	4.34		ug/L		109	70 - 130

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 380-200935/23-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-octyl phthalate	1.99	1.92		ug/L		96	70 - 130
Endosulfan I (Alpha)	1.99	1.90		ug/L		96	70 - 130
Endosulfan II (Beta)	1.99	1.86		ug/L		93	70 - 130
Endosulfan sulfate	1.99	2.12		ug/L		106	70 - 130
Endrin	1.99	2.15		ug/L		108	70 - 130
Endrin aldehyde	1.99	1.90		ug/L		95	60 - 130
EPTC	1.99	2.03		ug/L		102	70 - 130
Fluoranthene	1.99	2.04		ug/L		103	70 - 130
Fluorene	1.99	1.90		ug/L		96	70 - 130
gamma-BHC (Lindane)	1.99	2.03		ug/L		102	70 - 130
gamma-Chlordane	1.99	2.03		ug/L		102	70 - 130
Heptachlor	1.99	2.08		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	1.99	1.91		ug/L		96	70 - 130
Hexachlorobenzene	1.99	1.91		ug/L		96	70 - 130
Hexachlorocyclopentadiene	1.99	1.89		ug/L		95	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.04		ug/L		103	70 - 130
Isophorone	1.99	1.90		ug/L		96	70 - 130
Malathion	1.99	2.18		ug/L		110	70 - 130
Methoxychlor	1.99	1.98		ug/L		100	70 - 130
Metolachlor	1.99	2.13		ug/L		107	70 - 130
Molinate	1.99	2.05		ug/L		103	70 - 130
Naphthalene	1.99	1.93		ug/L		97	70 - 130
Parathion	1.99	2.06		ug/L		103	70 - 130
Pendimethalin (Penoxaline)	1.99	1.94		ug/L		98	70 - 130
Phenanthrene	1.99	2.00		ug/L		101	70 - 130
Propachlor	1.99	2.07		ug/L		104	70 - 130
Pyrene	1.99	2.04		ug/L		103	70 - 130
Simazine	1.99	2.00		ug/L		101	70 - 130
Terbacil	1.99	1.94		ug/L		98	70 - 130
Terbutylazine	1.99	2.13		ug/L		107	70 - 130
Thiobencarb	1.99	2.15		ug/L		108	70 - 130
trans-Nonachlor	1.99	1.95		ug/L		98	70 - 130
Trifluralin	1.99	1.89		ug/L		95	70 - 130
1-Methylnaphthalene	1.99	1.96		ug/L		99	70 - 130
2-Methylnaphthalene	1.99	1.96		ug/L		98	70 - 130

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

Lab Sample ID: MRL 380-200935/22-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0994	0.0886	J	ug/L		89	50 - 150
2,4'-DDE	0.0994	0.0949	J	ug/L		96	50 - 150

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MRL 380-200935/22-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDT	0.0994	0.101		ug/L		102	50 - 150
2,4-Dinitrotoluene	0.0994	0.0954	J	ug/L		96	50 - 150
2,6-Dinitrotoluene	0.0994	0.102		ug/L		103	50 - 150
4,4'-DDD	0.0994	0.0893	J	ug/L		90	50 - 150
4,4'-DDE	0.0994	0.104		ug/L		104	50 - 150
4,4'-DDT	0.0994	0.110		ug/L		111	50 - 150
Acenaphthene	0.0994	0.0916	J	ug/L		92	50 - 150
Acenaphthylene	0.0994	0.0999		ug/L		101	50 - 150
Acetochlor	0.0994	0.110		ug/L		111	50 - 150
Alachlor	0.0497	0.0541		ug/L		109	50 - 150
alpha-BHC	0.0994	0.109		ug/L		109	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		105	50 - 150
Anthracene	0.0199	0.0218		ug/L		110	50 - 150
Atrazine	0.0497	0.0509		ug/L		102	50 - 150
Benz(a)anthracene	0.0497	0.0502		ug/L		101	50 - 150
Benzo[a]pyrene	0.0199	0.0210		ug/L		106	50 - 150
Benzo[b]fluoranthene	0.0199	0.0220		ug/L		111	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0410	J	ug/L		83	50 - 150
Benzo[k]fluoranthene	0.0199	0.0205		ug/L		103	50 - 150
beta-BHC	0.0994	0.119		ug/L		120	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.595	J	ug/L		100	50 - 150
Aldrin	0.00994	0.0124		ug/L		125	50 - 150
Bromacil	0.0994	0.103		ug/L		103	50 - 150
Butachlor	0.0497	0.0536		ug/L		108	50 - 150
Butylbenzylphthalate	0.497	0.509		ug/L		102	50 - 150
Chlorobenzilate	0.0994	0.0893	J	ug/L		90	50 - 150
Chloroneb	0.0994	0.0960	J	ug/L		97	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0994	0.0995		ug/L		100	50 - 150
Chlorpyrifos	0.0497	0.0527		ug/L		106	50 - 150
Chrysene	0.0199	0.0244		ug/L		123	50 - 150
delta-BHC	0.0994	0.108		ug/L		109	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.574	J	ug/L		96	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0433	J	ug/L		87	50 - 150
Diclorvos (DDVP)	0.0497	0.0523		ug/L		105	50 - 150
Dieldrin	0.00994	0.0128		ug/L		129	50 - 150
Diethylphthalate	0.497	0.554		ug/L		111	50 - 150
Dimethylphthalate	0.497	0.528		ug/L		106	50 - 150
Di-n-butyl phthalate	0.497	0.580	J	ug/L		117	49 - 243
Di-n-octyl phthalate	0.0994	0.0813	J	ug/L		82	50 - 150
Endosulfan I (Alpha)	0.0994	0.0807	J	ug/L		81	50 - 150
Endosulfan II (Beta)	0.0994	0.114		ug/L		115	50 - 150
Endosulfan sulfate	0.0994	0.0950	J	ug/L		96	50 - 150
Endrin	0.00994	0.0110		ug/L		111	50 - 150
Endrin aldehyde	0.0994	0.0959	J	ug/L		96	50 - 150
EPTC	0.0994	0.103		ug/L		103	50 - 150
Fluoranthene	0.0994	0.103		ug/L		104	50 - 150
Fluorene	0.0497	0.0528		ug/L		106	50 - 150
gamma-BHC (Lindane)	0.00994	0.0105		ug/L		106	50 - 150
gamma-Chlordane	0.0249	0.0262	J	ug/L		105	50 - 150

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MRL 380-200935/22-A
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor	0.00994	0.0110		ug/L		111	50 - 150
Heptachlor epoxide (isomer B)	0.00994	0.0113		ug/L		114	50 - 150
Hexachlorobenzene	0.0497	0.0502		ug/L		101	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0496	J	ug/L		100	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0467	J	ug/L		94	50 - 150
Isophorone	0.0994	0.119		ug/L		119	50 - 150
Malathion	0.0994	0.0912	J	ug/L		92	50 - 150
Methoxychlor	0.0497	0.0516		ug/L		104	50 - 150
Metolachlor	0.0497	0.0538		ug/L		108	50 - 150
Molinate	0.0994	0.102		ug/L		103	50 - 150
Naphthalene	0.0994	0.105		ug/L		106	50 - 150
Parathion	0.0994	0.0903	J	ug/L		91	50 - 150
Pendimethalin (Penoxaline)	0.0994	0.0949	J	ug/L		95	50 - 150
Phenanthrene	0.0398	0.0389	J	ug/L		98	50 - 150
Propachlor	0.0497	0.0542		ug/L		109	50 - 150
Pyrene	0.0497	0.0528		ug/L		106	50 - 150
Simazine	0.0497	0.0502		ug/L		101	50 - 150
Terbacil	0.0994	0.113		ug/L		113	50 - 150
Terbutylazine	0.0994	0.0995		ug/L		100	50 - 150
Thiobencarb	0.0994	0.106		ug/L		107	50 - 150
trans-Nonachlor	0.0249	<0.026		ug/L		91	50 - 150
Trifluralin	0.0994	0.0945	J	ug/L		95	50 - 150
1-Methylnaphthalene	0.0994	0.103		ug/L		104	50 - 150
2-Methylnaphthalene	0.0994	0.0967	J	ug/L		97	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	92		70 - 130
Triphenylphosphate	94		70 - 130

Lab Sample ID: 380-193954-AD-1-A MS
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.099		1.98	2.02		ug/L		102	70 - 130
2,4'-DDE	<0.099		1.98	2.15		ug/L		109	70 - 130
2,4'-DDT	<0.099		1.98	1.97		ug/L		99	70 - 130
2,4-Dinitrotoluene	<0.099		1.98	1.95		ug/L		99	70 - 130
2,6-Dinitrotoluene	<0.099		1.98	1.95		ug/L		98	70 - 130
4,4'-DDD	<0.099		1.98	2.15		ug/L		108	70 - 130
4,4'-DDE	<0.099		1.98	1.95		ug/L		98	70 - 130
4,4'-DDT	<0.099		1.98	1.96		ug/L		99	70 - 130
Acenaphthene	<0.099		1.98	1.99		ug/L		100	70 - 130
Acenaphthylene	<0.099		1.98	2.05		ug/L		103	70 - 130
Acetochlor	<0.099		1.98	2.20		ug/L		111	70 - 130
Alachlor	<0.050		1.98	2.15		ug/L		108	70 - 130
alpha-BHC	<0.099		1.98	1.97		ug/L		99	70 - 130

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-193954-AD-1-A MS
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
alpha-Chlordane	<0.050		1.98	2.06		ug/L		104	70 - 130
Anthracene	<0.020	F2	1.98	1.38		ug/L		70	70 - 130
Atrazine	<0.050		1.98	2.15		ug/L		108	70 - 130
Benz(a)anthracene	<0.050		1.98	1.81		ug/L		91	70 - 130
Benzo[a]pyrene	<0.020		1.98	1.90		ug/L		96	70 - 130
Benzo[b]fluoranthene	<0.020		1.98	2.05		ug/L		103	70 - 130
Benzo[g,h,i]perylene	<0.050		1.98	2.16		ug/L		109	70 - 130
Benzo[k]fluoranthene	<0.020		1.98	2.05		ug/L		103	70 - 130
beta-BHC	<0.099		1.98	1.99		ug/L		101	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.98	2.14		ug/L		108	70 - 130
Aldrin	<0.0099		1.98	1.98		ug/L		100	70 - 130
Bromacil	<0.099		1.98	1.95		ug/L		98	70 - 130
Butachlor	<0.050		1.98	2.25		ug/L		113	70 - 130
Butylbenzylphthalate	<0.50		1.98	2.12		ug/L		107	70 - 130
Chlorobenzilate	<0.099		1.98	2.21		ug/L		111	70 - 130
Chloroneb	<0.099		1.98	2.01		ug/L		101	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.98	2.06		ug/L		104	70 - 130
Chlorpyrifos	<0.050		1.98	1.96		ug/L		99	70 - 130
Chrysene	<0.020		1.98	1.94		ug/L		98	70 - 130
delta-BHC	<0.099		1.98	1.97		ug/L		99	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.98	1.99		ug/L		100	70 - 130
Dibenz(a,h)anthracene	<0.050		1.98	2.03		ug/L		102	70 - 130
Diclorvos (DDVP)	<0.050		1.98	2.03		ug/L		102	70 - 130
Dieldrin	<0.0099		1.98	2.17		ug/L		109	70 - 130
Diethylphthalate	<0.50		1.98	2.16		ug/L		109	70 - 130
Dimethylphthalate	<0.50		1.98	2.03		ug/L		103	70 - 130
Di-n-butyl phthalate	<0.99		3.97	4.39		ug/L		111	70 - 130
Di-n-octyl phthalate	<0.099		1.98	1.88		ug/L		95	70 - 130
Endosulfan I (Alpha)	<0.099		1.98	1.93		ug/L		97	70 - 130
Endosulfan II (Beta)	<0.099		1.98	1.93		ug/L		97	70 - 130
Endosulfan sulfate	<0.099		1.98	2.15		ug/L		108	70 - 130
Endrin	<0.0099		1.98	2.21		ug/L		111	70 - 130
Endrin aldehyde	<0.099		1.98	1.89		ug/L		95	60 - 130
EPTC	<0.099		1.98	2.07		ug/L		104	70 - 130
Fluoranthene	<0.099		1.98	2.04		ug/L		103	70 - 130
Fluorene	<0.050		1.98	1.92		ug/L		97	70 - 130
gamma-BHC (Lindane)	<0.0099		1.98	2.05		ug/L		104	70 - 130
gamma-Chlordane	<0.050		1.98	2.07		ug/L		105	70 - 130
Heptachlor	<0.0099		1.98	2.14		ug/L		108	70 - 130
Heptachlor epoxide (isomer B)	<0.0099		1.98	1.97		ug/L		99	70 - 130
Hexachlorobenzene	<0.050		1.98	1.92		ug/L		97	70 - 130
Hexachlorocyclopentadiene	<0.050		1.98	1.94		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	<0.050		1.98	2.11		ug/L		106	70 - 130
Isophorone	<0.099		1.98	1.95		ug/L		98	70 - 130
Malathion	<0.099		1.98	2.17		ug/L		109	70 - 130
Methoxychlor	<0.050		1.98	2.05		ug/L		103	70 - 130
Metolachlor	<0.050		1.98	2.16		ug/L		109	70 - 130
Molinate	<0.099		1.98	2.05		ug/L		103	70 - 130
Naphthalene	<0.099		1.98	1.95		ug/L		99	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-193954-AD-1-A MS
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Parathion	<0.099		1.98	2.09		ug/L		105	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.98	2.05		ug/L		103	70 - 130
Phenanthrene	<0.040		1.98	1.99		ug/L		100	70 - 130
Propachlor	<0.050		1.98	2.11		ug/L		107	70 - 130
Pyrene	<0.050		1.98	2.06		ug/L		104	70 - 130
Simazine	<0.050		1.98	2.05		ug/L		103	70 - 130
Terbacil	<0.099		1.98	2.08		ug/L		105	70 - 130
Terbutylazine	<0.099		1.98	2.17		ug/L		109	70 - 130
Thiobencarb	<0.099		1.98	2.16		ug/L		109	70 - 130
trans-Nonachlor	<0.050		1.98	1.98		ug/L		100	70 - 130
Trifluralin	<0.099		1.98	1.97		ug/L		99	70 - 130
1-Methylnaphthalene	<0.099		1.98	1.98		ug/L		100	70 - 130
2-Methylnaphthalene	<0.099		1.98	1.98		ug/L		100	70 - 130
		MS MS							
Surrogate	%Recovery	Qualifier							Limits
2-Nitro-m-xylene	98								70 - 130
Perylene-d12	99								70 - 130
Triphenylphosphate	103								70 - 130

Lab Sample ID: 380-193954-AE-1-A MSD
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDD	<0.099		1.97	1.94		ug/L		99	70 - 130	4	20
2,4'-DDE	<0.099		1.97	2.06		ug/L		105	70 - 130	5	20
2,4'-DDT	<0.099		1.97	1.84		ug/L		94	70 - 130	7	20
2,4-Dinitrotoluene	<0.099		1.97	2.03		ug/L		103	70 - 130	4	20
2,6-Dinitrotoluene	<0.099		1.97	1.99		ug/L		101	70 - 130	2	20
4,4'-DDD	<0.099		1.97	2.08		ug/L		106	70 - 130	3	20
4,4'-DDE	<0.099		1.97	1.81		ug/L		92	70 - 130	7	20
4,4'-DDT	<0.099		1.97	1.83		ug/L		93	70 - 130	7	20
Acenaphthene	<0.099		1.97	1.94		ug/L		99	70 - 130	3	20
Acenaphthylene	<0.099		1.97	2.03		ug/L		103	70 - 130	1	20
Acetochlor	<0.099		1.97	2.15		ug/L		109	70 - 130	3	20
Alachlor	<0.050		1.97	2.16		ug/L		110	70 - 130	1	20
alpha-BHC	<0.099		1.97	1.96		ug/L		100	70 - 130	0	20
alpha-Chlordane	<0.050		1.97	2.05		ug/L		104	70 - 130	0	20
Anthracene	<0.020	F2	1.97	1.90	F2	ug/L		97	70 - 130	32	20
Atrazine	<0.050		1.97	2.14		ug/L		109	70 - 130	1	20
Benz(a)anthracene	<0.050		1.97	1.85		ug/L		94	70 - 130	2	20
Benzo[a]pyrene	<0.020		1.97	2.02		ug/L		103	70 - 130	6	20
Benzo[b]fluoranthene	<0.020		1.97	1.97		ug/L		100	70 - 130	4	20
Benzo[g,h,i]perylene	<0.050		1.97	2.02		ug/L		103	70 - 130	7	20
Benzo[k]fluoranthene	<0.020		1.97	2.00		ug/L		102	70 - 130	2	20
beta-BHC	<0.099		1.97	1.93		ug/L		98	70 - 130	3	20
Bis(2-ethylhexyl) phthalate	<0.59		1.97	1.85		ug/L		94	70 - 130	14	20
Aldrin	<0.0099		1.97	1.90		ug/L		97	70 - 130	4	20

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-193954-AE-1-A MSD
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bromacil	<0.099		1.97	2.07		ug/L		105	70 - 130	6	20
Butachlor	<0.050		1.97	2.23		ug/L		113	70 - 130	1	20
Butylbenzylphthalate	<0.50		1.97	2.07		ug/L		105	70 - 130	2	20
Chlorobenzilate	<0.099		1.97	2.18		ug/L		111	70 - 130	1	20
Chloroneb	<0.099		1.97	1.99		ug/L		101	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	<0.099		1.97	2.10		ug/L		107	70 - 130	2	20
Chlorpyrifos	<0.050		1.97	1.95		ug/L		99	70 - 130	0	20
Chrysene	<0.020		1.97	1.90		ug/L		97	70 - 130	2	20
delta-BHC	<0.099		1.97	1.94		ug/L		99	70 - 130	2	20
Di(2-ethylhexyl)adipate	<0.59		1.97	1.72		ug/L		88	70 - 130	15	20
Dibenz(a,h)anthracene	<0.050		1.97	1.82		ug/L		92	70 - 130	11	20
Diclorvos (DDVP)	<0.050		1.97	2.05		ug/L		105	70 - 130	1	20
Dieldrin	<0.0099		1.97	2.16		ug/L		110	70 - 130	0	20
Diethylphthalate	<0.50		1.97	2.11		ug/L		107	70 - 130	2	20
Dimethylphthalate	<0.50		1.97	2.02		ug/L		103	70 - 130	1	20
Di-n-butyl phthalate	<0.99		3.93	4.37		ug/L		111	70 - 130	1	20
Di-n-octyl phthalate	<0.099		1.97	1.61		ug/L		82	70 - 130	15	20
Endosulfan I (Alpha)	<0.099		1.97	1.97		ug/L		100	70 - 130	2	20
Endosulfan II (Beta)	<0.099		1.97	1.86		ug/L		95	70 - 130	3	20
Endosulfan sulfate	<0.099		1.97	2.17		ug/L		111	70 - 130	1	20
Endrin	<0.0099		1.97	2.20		ug/L		112	70 - 130	0	20
Endrin aldehyde	<0.099		1.97	1.80		ug/L		92	60 - 130	5	20
EPTC	<0.099		1.97	2.05		ug/L		104	70 - 130	1	20
Fluoranthene	<0.099		1.97	2.00		ug/L		102	70 - 130	2	20
Fluorene	<0.050		1.97	1.89		ug/L		96	70 - 130	2	20
gamma-BHC (Lindane)	<0.0099		1.97	2.05		ug/L		104	70 - 130	0	20
gamma-Chlordane	<0.050		1.97	2.02		ug/L		103	70 - 130	3	20
Heptachlor	<0.0099		1.97	2.11		ug/L		107	70 - 130	1	20
Heptachlor epoxide (isomer B)	<0.0099		1.97	1.95		ug/L		99	70 - 130	1	20
Hexachlorobenzene	<0.050		1.97	1.86		ug/L		95	70 - 130	3	20
Hexachlorocyclopentadiene	<0.050		1.97	1.92		ug/L		98	70 - 130	1	20
Indeno[1,2,3-cd]pyrene	<0.050		1.97	1.88		ug/L		96	70 - 130	11	20
Isophorone	<0.099		1.97	1.96		ug/L		100	70 - 130	0	20
Malathion	<0.099		1.97	2.17		ug/L		110	70 - 130	0	20
Methoxychlor	<0.050		1.97	2.03		ug/L		103	70 - 130	1	20
Metolachlor	<0.050		1.97	2.15		ug/L		110	70 - 130	0	20
Molinate	<0.099		1.97	2.05		ug/L		104	70 - 130	0	20
Naphthalene	<0.099		1.97	1.90		ug/L		97	70 - 130	3	20
Parathion	<0.099		1.97	2.13		ug/L		109	70 - 130	2	20
Pendimethalin (Penoxaline)	<0.099		1.97	2.04		ug/L		104	70 - 130	0	20
Phenanthrene	<0.040		1.97	1.97		ug/L		100	70 - 130	1	20
Propachlor	<0.050		1.97	2.09		ug/L		106	70 - 130	1	20
Pyrene	<0.050		1.97	2.00		ug/L		102	70 - 130	3	20
Simazine	<0.050		1.97	2.09		ug/L		107	70 - 130	2	20
Terbacil	<0.099		1.97	2.08		ug/L		106	70 - 130	0	20
Terbutylazine	<0.099		1.97	2.15		ug/L		109	70 - 130	1	20
Thiobencarb	<0.099		1.97	2.15		ug/L		110	70 - 130	1	20
trans-Nonachlor	<0.050		1.97	1.94		ug/L		99	70 - 130	2	20
Trifluralin	<0.099		1.97	1.98		ug/L		100	70 - 130	0	20

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-193954-AE-1-A MSD
Matrix: Water
Analysis Batch: 201360

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 200935

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
1-Methylnaphthalene	<0.099		1.97	1.91		ug/L		97	70 - 130	3	20
2-Methylnaphthalene	<0.099		1.97	1.93		ug/L		98	70 - 130	3	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2-Nitro-m-xylene	98		70 - 130								
Perylene-d12	97		70 - 130								
Triphenylphosphate	102		70 130								

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

Lab Sample ID: MB 570-686409/1-A
Matrix: Water
Analysis Batch: 691586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686409

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	01/23/26 19:03	02/04/26 22:10	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		33 - 139				01/23/26 19:03	02/04/26 22:10	1
2-Fluorobiphenyl (Surr)	95		33 - 126				01/23/26 19:03	02/04/26 22:10	1
2-Fluorophenol (Surr)	73		12 - 120				01/23/26 19:03	02/04/26 22:10	1
Nitrobenzene-d5 (Surr)	86		36 - 120				01/23/26 19:03	02/04/26 22:10	1
Phenol-d6 (Surr)	37		10 - 120				01/23/26 19:03	02/04/26 22:10	1
p-Terphenyl-d14 (Surr)	102		47 - 131				01/23/26 19:03	02/04/26 22:10	1

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

Lab Sample ID: MB 570-686409/1-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686409

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Chloronaphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Chlorophenol	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Methylnaphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Methylphenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Nitroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Nitrophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
3/4-Methylphenol	<2.0		2.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
3-Nitroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 570-686409/1-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686409

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Chloroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Nitroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Nitrophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Acenaphthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Acenaphthylene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Aniline	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Anthracene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzidine	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[a]anthracene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[a]pyrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzoic acid	<10		10	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzyl alcohol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Chrysene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Dibenzofuran	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Fluoranthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Fluorene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Hexachloroethane	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Naphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Nitrobenzene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Pentachlorophenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Phenanthrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Phenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Pyrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		28 - 127	01/23/26 19:03	02/01/26 13:51	1
2-Fluorobiphenyl (Surr)	87		31 - 120	01/23/26 19:03	02/01/26 13:51	1
2-Fluorophenol (Surr)	59		17 - 120	01/23/26 19:03	02/01/26 13:51	1
Nitrobenzene-d5 (Surr)	89		27 - 120	01/23/26 19:03	02/01/26 13:51	1
Phenol-d6 (Surr)	37		10 - 120	01/23/26 19:03	02/01/26 13:51	1
p-Terphenyl-d14 (Surr)	82		45 - 120	01/23/26 19:03	02/01/26 13:51	1

QC Sample Results

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

Job ID: 380-193970-1
 SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 570-686409/2-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	21.2		ug/L		106	47 - 120
2,4,5-Trichlorophenol	20.0	21.7		ug/L		108	57 - 120
2,4,6-Trichlorophenol	20.0	21.9		ug/L		109	52 - 129
2,4-Dichlorophenol	20.0	22.9		ug/L		115	53 - 122
2,4-Dinitrophenol	20.0	13.8		ug/L		69	1 - 173
2,6-Dichlorophenol	20.0	22.5		ug/L		113	50 - 120
2-Chloronaphthalene	20.0	21.5		ug/L		108	65 - 120
2-Chlorophenol	20.0	22.5		ug/L		112	36 - 120
2-Methylnaphthalene	20.0	20.4		ug/L		102	43 - 120
2-Methylphenol	20.0	23.2		ug/L		116	46 - 120
2-Nitroaniline	20.0	19.4		ug/L		97	51 - 125
2-Nitrophenol	20.0	23.1		ug/L		115	45 - 167
3/4-Methylphenol	40.0	34.8		ug/L		87	29 - 120
3-Nitroaniline	20.0	5.91	*-	ug/L		30	62 - 129
4,6-Dinitro-2-methylphenol	20.0	18.1		ug/L		91	53 - 130
4-Bromophenyl phenyl ether	20.0	19.6		ug/L		98	65 - 120
4-Chloro-3-methylphenol	20.0	23.1		ug/L		116	41 - 128
4-Chloroaniline	20.0	3.44	J *-	ug/L		17	51 - 120
4-Chlorophenyl phenyl ether	20.0	19.9		ug/L		99	38 - 145
4-Nitroaniline	20.0	13.3		ug/L		66	64 - 129
4-Nitrophenol	20.0	9.98		ug/L		50	13 - 129
Acenaphthene	20.0	20.2		ug/L		101	60 - 132
Acenaphthylene	20.0	19.6		ug/L		98	54 - 126
Aniline	20.0	0.978	*-	ug/L		5	52 - 121
Anthracene	20.0	20.5		ug/L		102	43 - 120
Benzidine	20.0	<1.4	*-	ug/L		0	20 - 164
Benzo[a]anthracene	20.0	21.6		ug/L		108	42 - 133
Benzo[a]pyrene	20.0	21.1		ug/L		105	32 - 148
Benzo[b]fluoranthene	20.0	21.4		ug/L		107	42 - 140
Benzo[g,h,i]perylene	20.0	20.4		ug/L		102	1 - 195
Benzo[k]fluoranthene	20.0	20.6		ug/L		103	25 - 146
Benzoic acid	20.0	10.8		ug/L		54	20 - 120
Benzyl alcohol	20.0	15.2		ug/L		76	44 - 122
Bis(2-chloroethoxy)methane	20.0	21.5		ug/L		107	49 - 165
Bis(2-chloroethyl)ether	20.0	21.4		ug/L		107	43 - 126
bis (2-Chloroisopropyl) ether	20.0	22.7		ug/L		114	63 - 139
Chrysene	20.0	21.2		ug/L		106	44 - 140
Dibenz(a,h)anthracene	20.0	21.5		ug/L		107	1 - 200
Dibenzofuran	20.0	20.4		ug/L		102	48 - 120
Fluoranthene	20.0	20.8		ug/L		104	43 - 121
Fluorene	20.0	19.6		ug/L		98	70 - 120
Hexachloroethane	20.0	19.1		ug/L		96	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	21.7		ug/L		108	1 - 151
Naphthalene	20.0	20.7		ug/L		103	36 - 120
Nitrobenzene	20.0	21.2		ug/L		106	54 - 158
N-Nitrosodi-n-propylamine	20.0	17.9		ug/L		89	14 - 198
N-Nitrosodiphenylamine	20.0	20.7		ug/L		104	65 - 133
Pentachlorophenol	20.0	16.7		ug/L		84	38 - 152

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 570-686409/2-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	20.0	21.0		ug/L		105	65 - 120
Phenol	20.0	10.5		ug/L		53	17 - 120
Pyrene	20.0	22.7		ug/L		113	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	105		28 - 127
2-Fluorobiphenyl (Surr)	88		31 - 120
2-Fluorophenol (Surr)	69		17 - 120
Nitrobenzene-d5 (Surr)	96		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	99		45 - 120

Lab Sample ID: LCSD 570-686409/3-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	18.8		ug/L		94	47 - 120	12	20
2,4,5-Trichlorophenol	20.0	19.9		ug/L		99	57 - 120	9	20
2,4,6-Trichlorophenol	20.0	19.9		ug/L		99	52 - 129	10	35
2,4-Dichlorophenol	20.0	20.1		ug/L		101	53 - 122	13	30
2,4-Dinitrophenol	20.0	12.1		ug/L		60	1 - 173	13	79
2,6-Dichlorophenol	20.0	20.0		ug/L		100	50 - 120	12	20
2-Chloronaphthalene	20.0	19.4		ug/L		97	65 - 120	10	15
2-Chlorophenol	20.0	18.9		ug/L		95	36 - 120	17	37
2-Methylnaphthalene	20.0	18.3		ug/L		91	43 - 120	11	20
2-Methylphenol	20.0	20.9		ug/L		105	46 - 120	10	20
2-Nitroaniline	20.0	18.4		ug/L		92	51 - 125	5	20
2-Nitrophenol	20.0	19.8		ug/L		99	45 - 167	15	33
3/4-Methylphenol	40.0	30.6		ug/L		77	29 - 120	13	20
3-Nitroaniline	20.0	4.47	J *1 *-	ug/L		22	62 - 129	28	20
4,6-Dinitro-2-methylphenol	20.0	16.9		ug/L		85	53 - 130	7	122
4-Bromophenyl phenyl ether	20.0	18.3		ug/L		91	65 - 120	7	26
4-Chloro-3-methylphenol	20.0	20.8		ug/L		104	41 - 128	11	44
4-Chloroaniline	20.0	2.22	J *- *1	ug/L		11	51 - 120	43	20
4-Chlorophenyl phenyl ether	20.0	18.6		ug/L		93	38 - 145	7	36
4-Nitroaniline	20.0	12.8		ug/L		64	64 - 129	4	20
4-Nitrophenol	20.0	8.98		ug/L		45	13 - 129	11	79
Acenaphthene	20.0	18.4		ug/L		92	60 - 132	9	29
Acenaphthylene	20.0	17.8		ug/L		89	54 - 126	10	45
Aniline	20.0	<0.072	*- *1	ug/L		0	52 - 121	200	21
Anthracene	20.0	19.5		ug/L		97	43 - 120	5	40
Benzidine	20.0	<1.4	*-	ug/L		0	20 - 164	NC	30
Benzo[a]anthracene	20.0	20.2		ug/L		101	42 - 133	7	32
Benzo[a]pyrene	20.0	20.0		ug/L		100	32 - 148	5	43
Benzo[b]fluoranthene	20.0	19.7		ug/L		99	42 - 140	8	43
Benzo[g,h,i]perylene	20.0	19.1		ug/L		96	1 - 195	7	61
Benzo[k]fluoranthene	20.0	19.5		ug/L		97	25 - 146	6	38

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCSD 570-686409/3-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzoic acid	20.0	9.57	J	ug/L		48	20 - 120	12	30
Benzyl alcohol	20.0	10.8	*1	ug/L		54	44 - 122	34	20
Bis(2-chloroethoxy)methane	20.0	17.2		ug/L		86	49 - 165	22	32
Bis(2-chloroethyl)ether	20.0	18.1		ug/L		90	43 - 126	17	65
bis (2-Chloroisopropyl) ether	20.0	19.1		ug/L		95	63 - 139	18	46
Chrysene	20.0	19.9		ug/L		100	44 - 140	6	53
Dibenz(a,h)anthracene	20.0	20.4		ug/L		102	1 - 200	5	75
Dibenzofuran	20.0	19.1		ug/L		95	48 - 120	7	20
Fluoranthene	20.0	20.4		ug/L		102	43 - 121	2	40
Fluorene	20.0	18.5		ug/L		93	70 - 120	6	23
Hexachloroethane	20.0	15.6		ug/L		78	55 - 120	20	32
Indeno[1,2,3-cd]pyrene	20.0	20.2		ug/L		101	1 - 151	7	60
Naphthalene	20.0	17.7		ug/L		89	36 - 120	15	39
Nitrobenzene	20.0	18.1		ug/L		91	54 - 158	16	37
N-Nitrosodi-n-propylamine	20.0	16.7		ug/L		84	14 - 198	7	52
N-Nitrosodiphenylamine	20.0	19.1		ug/L		96	65 - 133	8	20
Pentachlorophenol	20.0	15.4		ug/L		77	38 - 152	8	52
Phenanthrene	20.0	19.6		ug/L		98	65 - 120	7	24
Phenol	20.0	9.14		ug/L		46	17 - 120	14	39
Pyrene	20.0	20.8		ug/L		104	70 - 120	9	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	95		28 - 127
2-Fluorobiphenyl (Surr)	80		31 - 120
2-Fluorophenol (Surr)	58		17 - 120
Nitrobenzene-d5 (Surr)	82		27 - 120
Phenol-d6 (Surr)	38		10 - 120
p-Terphenyl-d14 (Surr)	91		45 - 120

Lab Sample ID: 570-264273-D-1-A MS
Matrix: Water
Analysis Batch: 690589

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20		20.0	21.8		ug/L		109	36 - 120
2,4,5-Trichlorophenol	<5.0		20.0	22.3		ug/L		112	21 - 145
2,4,6-Trichlorophenol	<1.0		20.0	23.8		ug/L		119	37 - 144
2,4-Dichlorophenol	<1.0		20.0	23.5		ug/L		118	39 - 135
2,4-Dinitrophenol	<5.0		20.0	28.6		ug/L		143	1 - 191
2,6-Dichlorophenol	<5.0		20.0	23.4		ug/L		117	24 - 134
2-Chloronaphthalene	<0.20		20.0	20.6		ug/L		103	60 - 120
2-Chlorophenol	<0.20		20.0	22.3		ug/L		112	23 - 143
2-Methylnaphthalene	<0.20		20.0	21.5		ug/L		107	32 - 124
2-Methylphenol	<1.0		20.0	20.7		ug/L		104	10 - 135
2-Nitroaniline	<5.0	F2	20.0	20.1		ug/L		101	10 - 147
2-Nitrophenol	<5.0		20.0	24.1		ug/L		121	29 - 182
3/4-Methylphenol	<2.0		39.9	36.4		ug/L		91	10 - 118
3-Nitroaniline	<5.0	*- *1	20.0	5.46		ug/L		27	10 - 153

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 570-264273-D-1-A MS
Matrix: Water
Analysis Batch: 690589

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
4,6-Dinitro-2-methylphenol	<5.0		20.0	25.5		ug/L		128	1 - 181
4-Bromophenyl phenyl ether	<0.20		20.0	19.9		ug/L		100	53 - 127
4-Chloro-3-methylphenol	<1.0		20.0	22.0		ug/L		110	22 - 147
4-Chloroaniline	<5.0	F2 * - *1	20.0	<5.0		ug/L		17	10 - 131
4-Chlorophenyl phenyl ether	<0.20		20.0	20.0		ug/L		100	25 - 158
4-Nitroaniline	<5.0	F2	20.0	11.3		ug/L		57	10 - 180
4-Nitrophenol	<5.0		20.0	12.4		ug/L		62	1 - 132
Acenaphthene	<0.20		20.0	19.8		ug/L		99	47 - 145
Acenaphthylene	<0.20		20.0	20.2		ug/L		101	33 - 145
Aniline	<0.20	*- F1 *1	20.0	0.555	F1	ug/L		3	10 - 113
Anthracene	<0.20		20.0	21.0		ug/L		105	27 - 133
Benzidine	<5.0	*- F1	20.0	<5.0	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.20		20.0	22.0		ug/L		110	33 - 143
Benzo[a]pyrene	0.20		20.0	20.3		ug/L		101	17 - 163
Benzo[b]fluoranthene	<0.20		20.0	21.1		ug/L		105	24 - 159
Benzo[g,h,i]perylene	0.34		20.0	19.2		ug/L		95	1 - 219
Benzo[k]fluoranthene	<0.20		20.0	20.3		ug/L		101	11 - 162
Benzoic acid	<10		20.0	11.5		ug/L		45	10 - 97
Benzyl alcohol	<1.0	*1	20.0	17.9		ug/L		90	10 - 122
Bis(2-chloroethoxy)methane	<0.20		20.0	19.4		ug/L		97	33 - 184
Bis(2-chloroethyl)ether	<0.20		20.0	19.2		ug/L		96	12 - 158
bis (2-Chloroisopropyl) ether	<0.20		20.0	21.9		ug/L		110	36 - 166
Chrysene	<0.20		20.0	20.4		ug/L		102	17 - 168
Dibenz(a,h)anthracene	0.28		20.0	20.6		ug/L		102	1 - 227
Dibenzofuran	<0.20		20.0	20.3		ug/L		102	42 - 111
Fluoranthene	<0.20		20.0	22.0		ug/L		110	26 - 137
Fluorene	<0.20		20.0	20.3		ug/L		102	59 - 121
Hexachloroethane	<0.20		20.0	19.0		ug/L		95	40 - 120
Indeno[1,2,3-cd]pyrene	0.36		20.0	21.7		ug/L		107	1 - 171
Naphthalene	<0.20		20.0	19.7		ug/L		99	21 - 133
Nitrobenzene	<0.20		20.0	22.2		ug/L		111	35 - 180
N-Nitrosodi-n-propylamine	<0.20		20.0	20.1		ug/L		101	1 - 230
N-Nitrosodiphenylamine	<0.20	F2	20.0	23.1		ug/L		116	10 - 179
Pentachlorophenol	<1.0		20.0	20.7		ug/L		100	14 - 176
Phenanthrene	<0.20		20.0	20.4		ug/L		102	54 - 120
Phenol	<1.0		20.0	10.2		ug/L		51	5 - 120
Pyrene	<0.20		20.0	21.3		ug/L		107	52 - 120

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	102		28 - 127
2-Fluorobiphenyl (Surr)	91		31 - 120
2-Fluorophenol (Surr)	68		17 - 120
Nitrobenzene-d5 (Surr)	101		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	93		45 - 120

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 570-264273-F-1-A MSD
Matrix: Water
Analysis Batch: 690589

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1-Methylnaphthalene	<0.20		19.9	18.6		ug/L		94	36 - 120	15	30
2,4,5-Trichlorophenol	<5.0		19.9	18.6		ug/L		94	21 - 145	18	30
2,4,6-Trichlorophenol	<1.0		19.9	19.8		ug/L		100	37 - 144	19	58
2,4-Dichlorophenol	<1.0		19.9	20.3		ug/L		102	39 - 135	14	50
2,4-Dinitrophenol	<5.0		19.9	24.7		ug/L		124	1 - 191	15	132
2,6-Dichlorophenol	<5.0		19.9	20.1		ug/L		101	24 - 134	15	30
2-Chloronaphthalene	<0.20		19.9	17.6		ug/L		89	60 - 120	16	24
2-Chlorophenol	<0.20		19.9	20.1		ug/L		101	23 - 143	11	61
2-Methylnaphthalene	<0.20		19.9	18.8		ug/L		94	32 - 124	13	30
2-Methylphenol	<1.0		19.9	18.8		ug/L		94	10 - 135	10	30
2-Nitroaniline	<5.0	F2	19.9	14.7	F2	ug/L		74	10 - 147	31	30
2-Nitrophenol	<5.0		19.9	21.7		ug/L		109	29 - 182	11	55
3/4-Methylphenol	<2.0		39.7	32.3		ug/L		81	10 - 118	12	30
3-Nitroaniline	<5.0	*- *1	19.9	<5.0		ug/L		23	10 - 153	19	30
4,6-Dinitro-2-methylphenol	<5.0		19.9	21.8		ug/L		110	1 - 181	16	203
4-Bromophenyl phenyl ether	<0.20		19.9	17.2		ug/L		87	53 - 127	14	43
4-Chloro-3-methylphenol	<1.0		19.9	18.6		ug/L		93	22 - 147	17	73
4-Chloroaniline	<5.0	F2 *- *1	19.9	<5.0	F2	ug/L		11	10 - 131	44	30
4-Chlorophenyl phenyl ether	<0.20		19.9	16.8		ug/L		84	25 - 158	18	61
4-Nitroaniline	<5.0	F2	19.9	6.47	F2	ug/L		33	10 - 180	54	30
4-Nitrophenol	<5.0		19.9	9.95		ug/L		50	1 - 132	22	131
Acenaphthene	<0.20		19.9	16.9		ug/L		85	47 - 145	16	48
Acenaphthylene	<0.20		19.9	16.9		ug/L		85	33 - 145	18	74
Aniline	<0.20	*- F1 *1	19.9	0.626	F1	ug/L		3	10 - 113	12	30
Anthracene	<0.20		19.9	17.5		ug/L		88	27 - 133	18	66
Benzidine	<5.0	*- F1	19.9	<5.0	F1	ug/L		0	10 - 57	NC	30
Benzo[a]anthracene	<0.20		19.9	18.0		ug/L		91	33 - 143	20	53
Benzo[a]pyrene	0.20		19.9	15.4		ug/L		76	17 - 163	28	72
Benzo[b]fluoranthene	<0.20		19.9	16.5		ug/L		82	24 - 159	24	71
Benzo[g,h,i]perylene	0.34		19.9	15.4		ug/L		76	1 - 219	22	97
Benzo[k]fluoranthene	<0.20		19.9	15.6		ug/L		78	11 - 162	26	63
Benzoic acid	<10		19.9	11.1		ug/L		43	10 - 97	3	30
Benzyl alcohol	<1.0	*1	19.9	15.1		ug/L		76	10 - 122	17	30
Bis(2-chloroethoxy)methane	<0.20		19.9	16.9		ug/L		85	33 - 184	13	54
Bis(2-chloroethyl)ether	<0.20		19.9	18.0		ug/L		91	12 - 158	6	108
bis (2-Chloroisopropyl) ether	<0.20		19.9	20.1		ug/L		101	36 - 166	9	76
Chrysene	<0.20		19.9	16.6		ug/L		83	17 - 168	21	87
Dibenz(a,h)anthracene	0.28		19.9	16.7		ug/L		83	1 - 227	21	126
Dibenzofuran	<0.20		19.9	16.9		ug/L		85	42 - 111	18	30
Fluoranthene	<0.20		19.9	17.4		ug/L		87	26 - 137	24	66
Fluorene	<0.20		19.9	17.0		ug/L		86	59 - 121	18	38
Hexachloroethane	<0.20		19.9	18.5		ug/L		93	40 - 120	3	52
Indeno[1,2,3-cd]pyrene	0.36		19.9	17.5		ug/L		86	1 - 171	22	99
Naphthalene	<0.20		19.9	17.5		ug/L		88	21 - 133	12	65
Nitrobenzene	<0.20		19.9	19.2		ug/L		96	35 - 180	15	62
N-Nitrosodi-n-propylamine	<0.20		19.9	17.8		ug/L		90	1 - 230	12	87
N-Nitrosodiphenylamine	<0.20	F2	19.9	16.6	F2	ug/L		83	10 - 179	33	30
Pentachlorophenol	<1.0		19.9	17.4		ug/L		84	14 - 176	18	86

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 570-264273-F-1-A MSD
Matrix: Water
Analysis Batch: 690589

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	<0.20		19.9	16.9		ug/L		85	54 - 120	19	39
Phenol	<1.0		19.9	9.23		ug/L		46	5 - 120	10	64
Pyrene	<0.20		19.9	18.1		ug/L		91	52 - 120	16	49
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2,4,6-Tribromophenol (Surr)	85		28 - 127								
2-Fluorobiphenyl (Surr)	77		31 - 120								
2-Fluorophenol (Surr)	60		17 - 120								
Nitrobenzene-d5 (Surr)	85		27 - 120								
Phenol-d6 (Surr)	39		10 - 120								
p-Terphenyl-d14 (Surr)	79		45 - 120								

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

Lab Sample ID: MB 570-688658/5
Matrix: Water
Analysis Batch: 688658

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			01/29/26 11:57	1
MB MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	96		38 - 134		01/29/26 11:57	1		

Lab Sample ID: LCS 570-688658/3
Matrix: Water
Analysis Batch: 688658

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)	400	421		ug/L		105	78 - 120		
LCS LCS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		38 - 134						

Lab Sample ID: LCSD 570-688658/4
Matrix: Water
Analysis Batch: 688658

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	440		ug/L		110	78 - 120	4	10
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		38 - 134						

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MRL 570-688658/6
Matrix: Water
Analysis Batch: 688658

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		65	50 - 150
Surrogate		MRL %Recovery	MRL Qualifier				Limits
4-Bromofluorobenzene (Surr)		90					38 - 134

Lab Sample ID: 380-193954-C-1 MS
Matrix: Water
Analysis Batch: 688658

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	<10		400	421		ug/L		105	68 - 122
Surrogate		MS %Recovery		MS Qualifier					Limits
4-Bromofluorobenzene (Surr)		90							38 - 134

Lab Sample ID: 380-193954-E-1 MSD
Matrix: Water
Analysis Batch: 688658

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	433		ug/L		108	68 - 122	3	18
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
4-Bromofluorobenzene (Surr)		100							38 - 134		

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

Lab Sample ID: MBL 380-200585/4-A
Matrix: Water
Analysis Batch: 200989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200585

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		01/23/26 15:33	01/23/26 18:33	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		01/23/26 15:33	01/23/26 18:33	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		01/23/26 15:33	01/23/26 18:33	1
Surrogate		MBL %Recovery	MBL Qualifier			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)		98				01/23/26 15:33	01/23/26 18:33	1

Lab Sample ID: LCS 380-200585/29-A
Matrix: Water
Analysis Batch: 200989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.200	0.191		ug/L		95	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 380-200585/29-A
Matrix: Water
Analysis Batch: 200989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.200	0.174		ug/L		87	70 - 130
1,2-Dibromoethane	0.200	0.179		ug/L		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dibromopropane (Surr)	100		60 - 140				

Lab Sample ID: MRL 380-200585/2-A
Matrix: Water
Analysis Batch: 200989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200585

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0200	0.0132	J	ug/L		66	60 - 140
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dibromopropane (Surr)	98		60 - 140				

Lab Sample ID: MRL 380-200585/3-A
Matrix: Water
Analysis Batch: 200989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200585

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0500	0.0483		ug/L		97	60 - 140
1,2-Dibromo-3-Chloropropane	0.0100	0.00968	J	ug/L		97	60 - 140
1,2-Dibromoethane	0.0100	0.0101		ug/L		101	60 - 140
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dibromopropane (Surr)	94		60 - 140				

Lab Sample ID: 380-193778-G-1-A MS
Matrix: Water
Analysis Batch: 200989

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200585

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	<0.020		1.26	1.20		ug/L		95	65 - 135
1,2-Dibromo-3-Chloropropane	<0.010		0.252	0.231		ug/L		92	65 - 135
1,2-Dibromoethane	<0.010		0.252	0.283		ug/L		112	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dibromopropane (Surr)	108		60 - 140						

Lab Sample ID: 380-193779-G-1-A DU
Matrix: Water
Analysis Batch: 200989

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 200585

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		<0.010		ug/L		NC	20
1,2-Dibromoethane	<0.010		<0.010		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
1,2-Dibromopropane (Surr)	93		60 - 140

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-200446/3-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200446

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		01/23/26 13:26	01/23/26 15:55	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 15:55	1
PCB-1016	<0.070		0.070	ug/L		01/23/26 13:26	01/23/26 15:55	1
PCB-1221	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 15:55	1
PCB-1232	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 15:55	1
PCB-1242	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 15:55	1
PCB-1248	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 15:55	1
PCB-1254	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 15:55	1
PCB-1260	<0.070		0.070	ug/L		01/23/26 13:26	01/23/26 15:55	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 15:55	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	99		70 - 130	01/23/26 13:26	01/23/26 15:55	1
Tetrachloro-m-xylene	100		70 - 130	01/23/26 13:26	01/23/26 15:55	1

Lab Sample ID: LCS 380-200446/28-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Toxaphene	2.50	2.91		ug/L		116	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	111		70 - 130

Lab Sample ID: LCS 380-200446/29-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane (n.o.s.)	0.500	0.556		ug/L		111	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	103		70 - 130

Lab Sample ID: LCS 380-200446/31-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1254	0.500	0.515		ug/L		103	70 - 130

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 380-200446/31-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200446

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	106		70 - 130

Lab Sample ID: LCSD 380-200446/30-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 200446

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		
									Limits	RPD	
Chlordane (n.o.s.)			0.500	0.506		ug/L		101	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	95		70 - 130

Lab Sample ID: MRL 380-200446/1-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200446

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec		
									Limits		
Toxaphene			0.500	0.544		ug/L		109	50 - 150		

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	98		70 - 130

Lab Sample ID: MRL 380-200446/2-A
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200446

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec		
									Limits		
Chlordane (n.o.s.)			0.100	0.103		ug/L		103	50 - 150		

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	102		70 - 130

Lab Sample ID: 380-193784-C-1-A MS
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		
									Limits		
Toxaphene	<0.50		2.47	2.58		ug/L		105	65 - 135		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	101		70 - 130

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-193784-D-1-A MS
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200446

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Chlordane (n.o.s.)	<0.10		0.494	0.502		ug/L		102		65 - 135	
Surrogate	MS	MS	Limits								
%Recovery	Qualifier	Qualifier	Limits								
Tetrachloro-m-xylene	99		70 - 130								

Lab Sample ID: 380-193794-B-1-A MS
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200446

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Toxaphene	<0.50		2.49	2.41		ug/L		97		65 - 135	
Surrogate	MS	MS	Limits								
%Recovery	Qualifier	Qualifier	Limits								
Tetrachloro-m-xylene	100		70 - 130								

Lab Sample ID: 380-193794-D-1-A MS
Matrix: Water
Analysis Batch: 200964

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200446

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Chlordane (n.o.s.)	<0.10		0.499	0.535		ug/L		107		65 - 135	
Surrogate	MS	MS	Limits								
%Recovery	Qualifier	Qualifier	Limits								
Tetrachloro-m-xylene	105		70 - 130								

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

Lab Sample ID: MB 570-686737/1-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686737

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier							
Diesel Range Organics (C10-C24)	<25		25	ug/L		01/25/26 10:37	01/28/26 15:05	1	
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		01/25/26 10:37	01/28/26 15:05	1	
C8-C18	<25		25	ug/L		01/25/26 10:37	01/28/26 15:05	1	
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
%Recovery	Qualifier	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
n-Octacosane (Surr)	117		60 - 130	01/25/26 10:37	01/28/26 15:05	1			

Lab Sample ID: LCS 570-686737/2-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
C10-C28	1600	1030		ug/L		64		56 - 127

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 570-686737/2-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

	LCS %Recovery	LCS Qualifier	Limits
<i>Surrogate</i> <i>n-Octacosane (Surr)</i>	92		60 - 130

Lab Sample ID: LCSD 570-686737/3-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686737

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit		
C10-C28	1600	1120		ug/L		70	56 - 127	8	23		
<i>Surrogate</i> <i>n-Octacosane (Surr)</i>											

Lab Sample ID: MRL 570-686737/4-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

	MRL %Recovery	MRL Qualifier	Limits
<i>Surrogate</i> <i>n-Octacosane (Surr)</i>	121		60 - 130

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	0.0200	0.0281		mg/L		141	50 - 150		

Lab Sample ID: 380-194233-C-1-A MS
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 686737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1630	1430		ug/L		88	70 - 130
<i>Surrogate</i> <i>n-Octacosane (Surr)</i>									

Lab Sample ID: 380-194233-D-1-A MSD
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 686737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	<26		1630	1370		ug/L		84	70 - 130	4	20
<i>Surrogate</i> <i>n-Octacosane (Surr)</i>											

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: MB 570-687657/3
Matrix: Water
Analysis Batch: 687657

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10	mg/L			01/27/26 14:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	113		54 - 120				01/27/26 14:35	1

Lab Sample ID: LCS 570-687657/5
Matrix: Water
Analysis Batch: 687657

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	2.65	*+	mg/L		132	78 - 131
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Hexafluoro-2-propanol (Surr)	117		54 - 120				

Lab Sample ID: LCSD 570-687657/6
Matrix: Water
Analysis Batch: 687657

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Ethanol	2.00	2.36		mg/L		118	78 - 131	12	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	115		54 - 120						

Lab Sample ID: MRL 570-687657/4
Matrix: Water
Analysis Batch: 687657

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	0.0978	J	mg/L		98	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
Hexafluoro-2-propanol (Surr)	75		54 - 120				

Lab Sample ID: 570-263912-C-1 MS
Matrix: Water
Analysis Batch: 687657

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
Ethanol	<0.10	*+	2.00	2.84		mg/L		142	20 - 173
Surrogate	MS %Recovery	MS Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	111		54 - 120						

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 570-263912-C-1 MSD
Matrix: Water
Analysis Batch: 687657

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
Ethanol	<0.10	*+	2.00	2.73		mg/L		137	20 - 173	4	21
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	102		54 - 120								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-200240/4
Matrix: Water
Analysis Batch: 200240

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			01/22/26 10:46	1
Nitrite as N	<0.050		0.050	mg/L			01/22/26 10:46	1

Lab Sample ID: LCS 380-200240/6
Matrix: Water
Analysis Batch: 200240

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	2.54		mg/L		102	90 - 110
Nitrite as N	1.00	1.03		mg/L		103	90 - 110

Lab Sample ID: LCSD 380-200240/7
Matrix: Water
Analysis Batch: 200240

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	2.57		mg/L		103	90 - 110	1	20
Nitrite as N	1.00	1.03		mg/L		103	90 - 110	1	20

Lab Sample ID: MRL 380-200240/5
Matrix: Water
Analysis Batch: 200240

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	0.0514		mg/L		103	50 - 150
Nitrite as N	0.0500	0.0449	J	mg/L		90	50 - 150

Lab Sample ID: 380-193963-AY-1 MS
Matrix: Water
Analysis Batch: 200240

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	1.2		1.25	2.55		mg/L		108	80 - 120
Nitrite as N	<0.050		0.500	0.482		mg/L		96	80 - 120

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 380-193963-AY-1 MSD
Matrix: Water
Analysis Batch: 200240

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	1.2		1.25	2.55		mg/L		108	80 - 120	0	20
Nitrite as N	<0.050		0.500	0.476		mg/L		95	80 - 120	1	20

Lab Sample ID: MB 380-200241/4
Matrix: Water
Analysis Batch: 200241

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			01/22/26 10:46	1
Sulfate	<0.25		0.25	mg/L			01/22/26 10:46	1

Lab Sample ID: LCS 380-200241/6
Matrix: Water
Analysis Batch: 200241

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	25.6		mg/L		102	90 - 110
Sulfate	50.0	50.7		mg/L		101	90 - 110

Lab Sample ID: LCSD 380-200241/7
Matrix: Water
Analysis Batch: 200241

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	25.6		mg/L		102	90 - 110	0	20
Sulfate	50.0	50.7		mg/L		101	90 - 110	0	20

Lab Sample ID: MRL 380-200241/5
Matrix: Water
Analysis Batch: 200241

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	0.486	J	mg/L		97	50 - 150
Sulfate	0.250	0.325		mg/L		130	50 - 150

Lab Sample ID: 380-193963-AY-1 MS
Matrix: Water
Analysis Batch: 200241

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	90	E ^2	12.5	98.9	E 4	mg/L		73	80 - 120
Sulfate	14		25.0	40.7		mg/L		108	80 - 120

Lab Sample ID: 380-193963-AY-1 MSD
Matrix: Water
Analysis Batch: 200241

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	90	E ^2	12.5	99.0	E 4	mg/L		73	80 - 120	0	20
Sulfate	14		25.0	40.5		mg/L		107	80 - 120	1	20

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-201717/6
Matrix: Water
Analysis Batch: 201717

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			01/28/26 08:44	1

Lab Sample ID: LCS 380-201717/7
Matrix: Water
Analysis Batch: 201717

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	95.5		ug/L		96	90 - 110

Lab Sample ID: LCSD 380-201717/8
Matrix: Water
Analysis Batch: 201717

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	95.1		ug/L		95	90 - 110	0	10

Lab Sample ID: MRL 380-201717/5
Matrix: Water
Analysis Batch: 201717

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	4.50	J	ug/L		90	75 - 125

Lab Sample ID: 380-193608-AI-1 MS
Matrix: Water
Analysis Batch: 201717

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	14		50.0	60.0		ug/L		93	80 - 120

Lab Sample ID: 380-193608-AI-1 MSD
Matrix: Water
Analysis Batch: 201717

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	14		50.0	60.0		ug/L		93	80 - 120	0	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-200612/73
Matrix: Water
Analysis Batch: 200612

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			01/23/26 12:44	1
Magnesium	0.0166	J B	0.10	mg/L			01/23/26 12:44	1
Potassium	<0.044		0.20	mg/L			01/23/26 12:44	1
Sodium	<0.019		0.10	mg/L			01/23/26 12:44	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LCS 380-200612/75
Matrix: Water
Analysis Batch: 200612

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	50.1		mg/L		100	85 - 115
Magnesium	20.0	20.2		mg/L		101	85 - 115
Potassium	20.0	19.8		mg/L		99	85 - 115
Sodium	50.0	49.4		mg/L		99	85 - 115

Lab Sample ID: LCSD 380-200612/76
Matrix: Water
Analysis Batch: 200612

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	50.2		mg/L		100	85 - 115	0	20
Magnesium	20.0	20.2		mg/L		101	85 - 115	0	20
Potassium	20.0	19.8		mg/L		99	85 - 115	0	20
Sodium	50.0	49.5		mg/L		99	85 - 115	0	20

Lab Sample ID: LLCS 380-200612/74
Matrix: Water
Analysis Batch: 200612

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	0.103		mg/L		103	50 - 150
Magnesium	0.100	0.100		mg/L		100	50 - 150
Potassium	0.100	0.0888	J	mg/L		89	50 - 150
Sodium	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: 380-193970-1 MS
Matrix: Water
Analysis Batch: 200612

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
Calcium	21		50.0	69.1		mg/L		97	70 - 130
Magnesium	21	B ^2	20.0	39.6		mg/L		95	70 - 130
Potassium	3.0		20.0	22.3		mg/L		97	70 - 130
Sodium	64		50.0	110		mg/L		92	70 - 130

Lab Sample ID: 380-193970-1 MSD
Matrix: Water
Analysis Batch: 200612

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
Calcium	21		50.0	68.9		mg/L		96	70 - 130	0	20
Magnesium	21	B ^2	20.0	39.5		mg/L		95	70 - 130	0	20
Potassium	3.0		20.0	22.2		mg/L		96	70 - 130	1	20
Sodium	64		50.0	109		mg/L		91	70 - 130	0	20

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-200654/79
Matrix: Water
Analysis Batch: 200654

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			01/23/26 15:23	1
Arsenic	<0.25		1.0	ug/L			01/23/26 15:23	1
Beryllium	<0.12		0.30	ug/L			01/23/26 15:23	1
Cadmium	<0.081		0.50	ug/L			01/23/26 15:23	1
Chromium	<0.33		0.90	ug/L			01/23/26 15:23	1
Copper	<0.28		1.0	ug/L			01/23/26 15:23	1
Lead	<0.084		0.50	ug/L			01/23/26 15:23	1
Nickel	<0.38		5.0	ug/L			01/23/26 15:23	1
Selenium	<0.25		2.0	ug/L			01/23/26 15:23	1
Silver	<0.30		0.50	ug/L			01/23/26 15:23	1
Thallium	<0.10		0.30	ug/L			01/23/26 15:23	1
Zinc	<1.3		5.0	ug/L			01/23/26 15:23	1

Lab Sample ID: LCS 380-200654/81
Matrix: Water
Analysis Batch: 200654

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	49.7		ug/L		99	85 - 115
Arsenic	50.0	51.0		ug/L		102	85 - 115
Beryllium	50.0	52.4		ug/L		105	85 - 115
Cadmium	50.0	51.3		ug/L		103	85 - 115
Chromium	50.0	49.8		ug/L		100	85 - 115
Copper	50.0	51.3		ug/L		103	85 - 115
Lead	50.0	51.1		ug/L		102	85 - 115
Nickel	50.0	49.6		ug/L		99	85 - 115
Selenium	50.0	52.6		ug/L		105	85 - 115
Silver	50.0	50.8		ug/L		102	85 - 115
Thallium	50.0	50.8		ug/L		102	85 - 115
Zinc	50.0	50.2		ug/L		100	85 - 115

Lab Sample ID: LCSD 380-200654/82
Matrix: Water
Analysis Batch: 200654

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	49.6		ug/L		99	85 - 115	0	20
Arsenic	50.0	50.9		ug/L		102	85 - 115	0	20
Beryllium	50.0	52.0		ug/L		104	85 - 115	1	20
Cadmium	50.0	50.9		ug/L		102	85 - 115	1	20
Chromium	50.0	50.3		ug/L		101	85 - 115	1	20
Copper	50.0	51.5		ug/L		103	85 - 115	0	20
Lead	50.0	51.4		ug/L		103	85 - 115	1	20
Nickel	50.0	50.1		ug/L		100	85 - 115	1	20
Selenium	50.0	52.7		ug/L		105	85 - 115	0	20
Silver	50.0	50.4		ug/L		101	85 - 115	1	20
Thallium	50.0	50.9		ug/L		102	85 - 115	0	20
Zinc	50.0	50.0		ug/L		100	85 - 115	0	20

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: LLCS 380-200654/80
Matrix: Water
Analysis Batch: 200654

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	1.05		ug/L		105	50 - 150
Arsenic	1.00	1.17		ug/L		117	50 - 150
Beryllium	0.300	0.320		ug/L		107	50 - 150
Cadmium	0.500	0.504		ug/L		101	50 - 150
Chromium	0.900	1.19		ug/L		132	50 - 150
Copper	1.00	1.06		ug/L		106	50 - 150
Lead	0.500	0.523		ug/L		105	50 - 150
Nickel	1.00	1.04	J	ug/L		104	50 - 150
Selenium	2.00	2.18		ug/L		109	50 - 150
Silver	0.500	0.523		ug/L		105	50 - 150
Thallium	0.300	0.308		ug/L		103	50 - 150
Zinc	5.00	5.02		ug/L		100	50 - 150

Lab Sample ID: 380-193967-A-1 MS
Matrix: Water
Analysis Batch: 200654

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	54.9		ug/L		110	70 - 130
Arsenic	9.8		50.0	64.8		ug/L		110	70 - 130
Beryllium	<0.30		50.0	49.8		ug/L		100	70 - 130
Cadmium	<0.50		50.0	53.4		ug/L		107	70 - 130
Chromium	7.0		50.0	55.7		ug/L		98	70 - 130
Copper	<1.0		50.0	49.9		ug/L		99	70 - 130
Lead	<0.50		50.0	49.5		ug/L		99	70 - 130
Nickel	<5.0		50.0	48.6		ug/L		97	70 - 130
Selenium	<2.0		50.0	61.1		ug/L		121	70 - 130
Silver	<0.50		50.0	43.2		ug/L		86	70 - 130
Thallium	<0.30		50.0	49.6		ug/L		99	70 - 130
Zinc	<5.0		50.0	53.7		ug/L		107	70 - 130

Lab Sample ID: 380-193967-A-1 MSD
Matrix: Water
Analysis Batch: 200654

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	54.8		ug/L		110	70 - 130	0	20
Arsenic	9.8		50.0	64.9		ug/L		110	70 - 130	0	20
Beryllium	<0.30		50.0	49.7		ug/L		99	70 - 130	0	20
Cadmium	<0.50		50.0	53.6		ug/L		107	70 - 130	0	20
Chromium	7.0		50.0	56.3		ug/L		99	70 - 130	1	20
Copper	<1.0		50.0	50.3		ug/L		100	70 - 130	1	20
Lead	<0.50		50.0	50.5		ug/L		101	70 - 130	2	20
Nickel	<5.0		50.0	48.8		ug/L		98	70 - 130	1	20
Selenium	<2.0		50.0	61.3		ug/L		121	70 - 130	0	20
Silver	<0.50		50.0	46.2		ug/L		92	70 - 130	7	20
Thallium	<0.30		50.0	49.8		ug/L		100	70 - 130	0	20
Zinc	<5.0		50.0	54.3		ug/L		109	70 - 130	1	20

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-200655/47
Matrix: Water
Analysis Batch: 200655

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			01/23/26 14:03	1

Lab Sample ID: MBL 380-200655/79
Matrix: Water
Analysis Batch: 200655

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			01/23/26 15:23	1

Lab Sample ID: LCS 380-200655/49
Matrix: Water
Analysis Batch: 200655

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	0.979		ug/L		98	85 - 115

Lab Sample ID: LCS 380-200655/81
Matrix: Water
Analysis Batch: 200655

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	0.982		ug/L		98	85 - 115

Lab Sample ID: LCSD 380-200655/50
Matrix: Water
Analysis Batch: 200655

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	0.987		ug/L		99	85 - 115	1	20

Lab Sample ID: LCSD 380-200655/82
Matrix: Water
Analysis Batch: 200655

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	0.995		ug/L		100	85 - 115	1	20

Lab Sample ID: LLCS 380-200655/48
Matrix: Water
Analysis Batch: 200655

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	0.199	J	ug/L		100	50 - 150

Lab Sample ID: LLCS 380-200655/80
Matrix: Water
Analysis Batch: 200655

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	0.198	J	ug/L		99	50 - 150

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QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: 380-193871-D-1 MS
Matrix: Water
Analysis Batch: 200655

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	1.03		ug/L		103	70 - 130

Lab Sample ID: 380-193871-D-1 MSD
Matrix: Water
Analysis Batch: 200655

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	1.05		ug/L		105	70 - 130	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-201267/1
Matrix: Water
Analysis Batch: 201267

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			01/26/26 19:22	1
Bicarbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			01/26/26 19:22	1
Carbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			01/26/26 19:22	1

Lab Sample ID: LCS 380-201267/4
Matrix: Water
Analysis Batch: 201267

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	93.2		mg/L		93	90 - 110

Lab Sample ID: LCSD 380-201267/19
Matrix: Water
Analysis Batch: 201267

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	92.9		mg/L		93	90 - 110	0	20

Lab Sample ID: LLCS 380-201267/5
Matrix: Water
Analysis Batch: 201267

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	18.3		mg/L		92	90 - 110

Lab Sample ID: MRL 380-201267/3
Matrix: Water
Analysis Batch: 201267

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	3.43	J	mg/L		86	50 - 150

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 380-194008-D-1 MS
Matrix: Water
Analysis Batch: 201267

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	65		100	159		mg/L		94	80 - 120

Lab Sample ID: 380-194008-D-1 MSD
Matrix: Water
Analysis Batch: 201267

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	65		100	159		mg/L		94	80 - 120	0	20

Lab Sample ID: 380-194008-D-1 DU
Matrix: Water
Analysis Batch: 201267

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	65		64.3		mg/L		0.7	20
Bicarbonate Alkalinity as CaCO3	65		63.2		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 380-201270/3
Matrix: Water
Analysis Batch: 201270

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			01/26/26 19:22	1

Lab Sample ID: LCS 380-201270/5
Matrix: Water
Analysis Batch: 201270

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	994		umhos/cm		99	90 - 110

Lab Sample ID: LCSD 380-201270/17
Matrix: Water
Analysis Batch: 201270

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	989		umhos/cm		99	90 - 110	0	10

Lab Sample ID: MRL 380-201270/4
Matrix: Water
Analysis Batch: 201270

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

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: 380-194008-D-1 DU
Matrix: Water
Analysis Batch: 201270

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Specific Conductance	460		461		umhos/cm		0	20

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

Lab Sample ID: MB 380-200550/1
Matrix: Water
Analysis Batch: 200550

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			01/23/26 13:01	1

Lab Sample ID: HLCS 380-200550/4
Matrix: Water
Analysis Batch: 200550

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	714		mg/L		102	80 - 114

Lab Sample ID: LCS 380-200550/3
Matrix: Water
Analysis Batch: 200550

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	182		mg/L		104	80 - 114

Lab Sample ID: MRL 380-200550/2
Matrix: Water
Analysis Batch: 200550

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	11.0		mg/L		110	50 - 150

Lab Sample ID: 380-194009-A-1 DU
Matrix: Water
Analysis Batch: 200550

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	430		412		mg/L		5	10

Lab Sample ID: MB 380-200564/1
Matrix: Water
Analysis Batch: 200564

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			01/23/26 13:46	1

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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

Lab Sample ID: HLCS 380-200564/4
Matrix: Water
Analysis Batch: 200564

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	692		mg/L		99	80 - 114

Lab Sample ID: LCS 380-200564/3
Matrix: Water
Analysis Batch: 200564

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	178		mg/L		102	80 - 114

Lab Sample ID: MRL 380-200564/2
Matrix: Water
Analysis Batch: 200564

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

Lab Sample ID: 380-193956-G-1 DU
Matrix: Water
Analysis Batch: 200564

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	560		566		mg/L		2	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-201274/40
Matrix: Water
Analysis Batch: 201274

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			01/26/26 18:26	1

Lab Sample ID: LCS 380-201274/42
Matrix: Water
Analysis Batch: 201274

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	1.05		mg/L		105	90 - 110

Lab Sample ID: LCSD 380-201274/43
Matrix: Water
Analysis Batch: 201274

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	1.05		mg/L		105	90 - 110	0	10

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 380-201274/41
Matrix: Water
Analysis Batch: 201274

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	0.0521		mg/L		104	50 - 150

Lab Sample ID: 380-193625-AA-1 MS
Matrix: Water
Analysis Batch: 201274

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	<0.050		1.00	1.06		mg/L		104	80 - 120

Lab Sample ID: 380-193625-AA-1 MSD
Matrix: Water
Analysis Batch: 201274

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	<0.050		1.00	1.06		mg/L		105	80 - 120	0	20

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-201272/5
Matrix: Water
Analysis Batch: 201272

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.6			SU			01/26/26 19:22	1

Lab Sample ID: LCS 380-201272/6
Matrix: Water
Analysis Batch: 201272

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	6.0		SU		100	98 - 102

Lab Sample ID: LCSD 380-201272/18
Matrix: Water
Analysis Batch: 201272

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	6.0		SU		100	98 - 102	0	2

Lab Sample ID: 380-194008-D-1 DU
Matrix: Water
Analysis Batch: 201272

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.2		8.4		SU		2	2

QC Sample Results

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 380-200976/3
Matrix: Water
Analysis Batch: 200976

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			01/26/26 11:07	1

Lab Sample ID: LCS 380-200976/5
Matrix: Water
Analysis Batch: 200976

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	0.262		mg/L		105	90 - 110

Lab Sample ID: LCSD 380-200976/6
Matrix: Water
Analysis Batch: 200976

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	0.260		mg/L		104	90 - 110	1	20

Lab Sample ID: MRL 380-200976/4
Matrix: Water
Analysis Batch: 200976

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	0.0586		mg/L		117	50 - 150

Lab Sample ID: 380-193970-1 MS
Matrix: Water
Analysis Batch: 200976

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	0.167	F1	mg/L		67	80 - 120

Lab Sample ID: 380-193970-1 MSD
Matrix: Water
Analysis Batch: 200976

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	0.169	F1	mg/L		67	80 - 120	1	20

QC Association Summary

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

Job ID: 380-193970-1
 SDG: Quarterly: Ka'amilo Wells P1/P2

GC/MS VOA

Analysis Batch: 202832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 380-202832/13	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-202832/14	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 202868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-4	TB: Ka'amilo Wells P2	Total/NA	Water	524.2	
MB 380-202868/5	Method Blank	Total/NA	Water	524.2	
LCS 380-202868/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-202868/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Analysis Batch: 203171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	524.2	
380-193970-2	TB: Ka'amilo Wells P1	Total/NA	Water	524.2	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	524.2	
MB 380-203171/8	Method Blank	Total/NA	Water	524.2	
LCS 380-203171/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-203171/6	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-203171/3	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-203171/4	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 203272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	524.2	
380-193970-2	TB: Ka'amilo Wells P1	Total/NA	Water	524.2	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	524.2	
380-193970-4	TB: Ka'amilo Wells P2	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 200935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	525.2	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	525.2	
MB 380-200935/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-200935/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-200935/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-193954-AD-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-193954-AE-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 201360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	525.2	200935
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	525.2	200935
MB 380-200935/21-A	Method Blank	Total/NA	Water	525.2	200935
LCS 380-200935/23-A	Lab Control Sample	Total/NA	Water	525.2	200935
MRL 380-200935/22-A	Lab Control Sample	Total/NA	Water	525.2	200935
380-193954-AD-1-A MS	Matrix Spike	Total/NA	Water	525.2	200935
380-193954-AE-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	200935

QC Association Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

GC/MS Semi VOA

Prep Batch: 686409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	625.1	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	625.1	
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-686409/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-686409/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
570-264273-D-1-A MS	Matrix Spike	Total/NA	Water	625.1	
570-264273-F-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 689715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1 SIM	686409
LCS 570-686409/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	686409
LCSD 570-686409/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	686409

Analysis Batch: 690589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	625.1 SIM	686409
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	625.1 SIM	686409
570-264273-D-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	686409
570-264273-F-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	686409

Analysis Batch: 691224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	625.1	686409
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	625.1	686409

Analysis Batch: 691586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1	686409

GC VOA

Analysis Batch: 688658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	8015B GRO LL	
380-193970-2	TB: Ka'amilo Wells P1	Total/NA	Water	8015B GRO LL	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	8015B GRO LL	
380-193970-4	TB: Ka'amilo Wells P2	Total/NA	Water	8015B GRO LL	
MB 570-688658/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-688658/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-688658/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-688658/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-193954-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-193954-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 200446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	505	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	505	
MB 380-200446/3-A	Method Blank	Total/NA	Water	505	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-193970-1
 SDG: Quarterly: Ka'amilo Wells P1/P2

GC Semi VOA (Continued)

Prep Batch: 200446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 380-200446/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-200446/29-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-200446/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-200446/30-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-200446/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-200446/2-A	Lab Control Sample	Total/NA	Water	505	
380-193784-C-1-A MS	Matrix Spike	Total/NA	Water	505	
380-193784-D-1-A MS	Matrix Spike	Total/NA	Water	505	
380-193794-B-1-A MS	Matrix Spike	Total/NA	Water	505	
380-193794-D-1-A MS	Matrix Spike	Total/NA	Water	505	

Prep Batch: 200585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	504.1	
380-193970-2	TB: Ka'amilo Wells P1	Total/NA	Water	504.1	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	504.1	
380-193970-4	TB: Ka'amilo Wells P2	Total/NA	Water	504.1	
MBL 380-200585/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-200585/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-200585/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-200585/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-193778-G-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-193779-G-1-A DU	Duplicate	Total/NA	Water	504.1	

Analysis Batch: 200964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	505	200446
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	505	200446
MB 380-200446/3-A	Method Blank	Total/NA	Water	505	200446
LCS 380-200446/28-A	Lab Control Sample	Total/NA	Water	505	200446
LCS 380-200446/29-A	Lab Control Sample	Total/NA	Water	505	200446
LCS 380-200446/31-A	Lab Control Sample	Total/NA	Water	505	200446
LCSD 380-200446/30-A	Lab Control Sample Dup	Total/NA	Water	505	200446
MRL 380-200446/1-A	Lab Control Sample	Total/NA	Water	505	200446
MRL 380-200446/2-A	Lab Control Sample	Total/NA	Water	505	200446
380-193784-C-1-A MS	Matrix Spike	Total/NA	Water	505	200446
380-193784-D-1-A MS	Matrix Spike	Total/NA	Water	505	200446
380-193794-B-1-A MS	Matrix Spike	Total/NA	Water	505	200446
380-193794-D-1-A MS	Matrix Spike	Total/NA	Water	505	200446

Analysis Batch: 200989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	504.1	200585
380-193970-2	TB: Ka'amilo Wells P1	Total/NA	Water	504.1	200585
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	504.1	200585
380-193970-4	TB: Ka'amilo Wells P2	Total/NA	Water	504.1	200585
MBL 380-200585/4-A	Method Blank	Total/NA	Water	504.1	200585
LCS 380-200585/29-A	Lab Control Sample	Total/NA	Water	504.1	200585
MRL 380-200585/2-A	Lab Control Sample	Total/NA	Water	504.1	200585
MRL 380-200585/3-A	Lab Control Sample	Total/NA	Water	504.1	200585
380-193778-G-1-A MS	Matrix Spike	Total/NA	Water	504.1	200585

QC Association Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

GC Semi VOA (Continued)

Analysis Batch: 200989 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193779-G-1-A DU	Duplicate	Total/NA	Water	504.1	200585

Prep Batch: 686737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	3510C	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	3510C	
MB 570-686737/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-686737/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-686737/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-686737/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-194233-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-194233-D-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 687657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	8015B	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	8015B	
MB 570-687657/3	Method Blank	Total/NA	Water	8015B	
LCS 570-687657/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-687657/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-687657/4	Lab Control Sample	Total/NA	Water	8015B	
570-263912-C-1 MS	Matrix Spike	Total/NA	Water	8015B	
570-263912-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 688261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	8015B	686737
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	8015B	686737
MB 570-686737/1-A	Method Blank	Total/NA	Water	8015B	686737
LCS 570-686737/2-A	Lab Control Sample	Total/NA	Water	8015B	686737
LCSD 570-686737/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	686737
MRL 570-686737/4-A	Lab Control Sample	Total/NA	Water	8015B	686737
380-194233-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	686737
380-194233-D-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	686737

HPLC/IC

Analysis Batch: 200240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	300.0	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	300.0	
MB 380-200240/4	Method Blank	Total/NA	Water	300.0	
LCS 380-200240/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-200240/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-200240/5	Lab Control Sample	Total/NA	Water	300.0	
380-193963-AY-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-193963-AY-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 200241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	300.0	

QC Association Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

HPLC/IC (Continued)

Analysis Batch: 200241 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	300.0	
MB 380-200241/4	Method Blank	Total/NA	Water	300.0	
LCS 380-200241/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-200241/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-200241/5	Lab Control Sample	Total/NA	Water	300.0	
380-193963-AY-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-193963-AY-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 201717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	300.0	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	300.0	
MB 380-201717/6	Method Blank	Total/NA	Water	300.0	
LCS 380-201717/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-201717/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-201717/5	Lab Control Sample	Total/NA	Water	300.0	
380-193608-AI-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-193608-AI-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 200612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	200.7 Rev 4.4	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	200.7 Rev 4.4	
MBL 380-200612/73	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-200612/75	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-200612/76	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-200612/74	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-193970-1 MS	Ka'amilo Wells P1	Total/NA	Water	200.7 Rev 4.4	
380-193970-1 MSD	Ka'amilo Wells P1	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 200654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	200.8	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	200.8	
MBL 380-200654/79	Method Blank	Total/NA	Water	200.8	
LCS 380-200654/81	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-200654/82	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-200654/80	Lab Control Sample	Total/NA	Water	200.8	
380-193967-A-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-193967-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 200655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	200.8	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	200.8	
MBL 380-200655/47	Method Blank	Total/NA	Water	200.8	
MBL 380-200655/79	Method Blank	Total/NA	Water	200.8	
LCS 380-200655/49	Lab Control Sample	Total/NA	Water	200.8	
LCS 380-200655/81	Lab Control Sample	Total/NA	Water	200.8	

QC Association Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Metals (Continued)

Analysis Batch: 200655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 380-200655/50	Lab Control Sample Dup	Total/NA	Water	200.8	
LCSD 380-200655/82	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-200655/48	Lab Control Sample	Total/NA	Water	200.8	
LLCS 380-200655/80	Lab Control Sample	Total/NA	Water	200.8	
380-193871-D-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-193871-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 200550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	SM 2540C	
MB 380-200550/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-200550/4	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-200550/3	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-200550/2	Lab Control Sample	Total/NA	Water	SM 2540C	
380-194009-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 200564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	SM 2540C	
MB 380-200564/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-200564/4	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-200564/3	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-200564/2	Lab Control Sample	Total/NA	Water	SM 2540C	
380-193956-G-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 200976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	SM 4500 S2 D	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	SM 4500 S2 D	
MB 380-200976/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-200976/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-200976/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-200976/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-193970-1 MS	Ka'amilo Wells P1	Total/NA	Water	SM 4500 S2 D	
380-193970-1 MSD	Ka'amilo Wells P1	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 201267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	SM 2320B	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	SM 2320B	
MB 380-201267/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-201267/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-201267/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-201267/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-201267/3	Lab Control Sample	Total/NA	Water	SM 2320B	
380-194008-D-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-194008-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-194008-D-1 DU	Duplicate	Total/NA	Water	SM 2320B	

QC Association Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

General Chemistry

Analysis Batch: 201270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	SM 2510B	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	SM 2510B	
MB 380-201270/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-201270/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-201270/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-201270/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-194008-D-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 201272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	SM 4500 H+ B	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	SM 4500 H+ B	
MB 380-201272/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-201272/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-201272/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-194008-D-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 201274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193970-1	Ka'amilo Wells P1	Total/NA	Water	SM 4500 F C	
380-193970-3	Ka'amilo Wells P2	Total/NA	Water	SM 4500 F C	
MB 380-201274/40	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-201274/42	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-201274/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-201274/41	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-193625-AA-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-193625-AA-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Lab Chronicle

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-193970-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	203171	N4CJ	EA POM	02/04/26 01:38
Total/NA	Analysis	524.2		1	203272	BS7X	EA POM	02/04/26 01:38
Total/NA	Prep	525.2			200935	OTM3	EA POM	01/26/26 08:10
Total/NA	Analysis	525.2		1	201360	Q8LA	EA POM	01/27/26 19:50
Total/NA	Prep	625.1			686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1		1	691224	PQS1	EET CAL 4	02/04/26 19:04
Total/NA	Prep	625.1			686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1 SIM		1	690589	PQS1	EET CAL 4	02/03/26 14:10
Total/NA	Analysis	8015B GRO LL		1	688658	A9VE	EET CAL 4	01/29/26 13:41
Total/NA	Prep	504.1			200585	GVC6	EA POM	01/23/26 15:33 - 01/23/26 16:44 ¹
Total/NA	Analysis	504.1		1	200989	GVC6	EA POM	01/24/26 00:56
Total/NA	Prep	505			200446	DR5R	EA POM	01/23/26 13:26 - 01/23/26 14:30 ¹
Total/NA	Analysis	505		1	200964	DR5R	EA POM	01/23/26 20:51
Total/NA	Prep	3510C			686737	TVD6	EET CAL 4	01/25/26 10:38
Total/NA	Analysis	8015B		1	688261	NR	EET CAL 4	01/28/26 21:32
Total/NA	Analysis	8015B		1	687657	ZE2W	EET CAL 4	01/27/26 18:43
Total/NA	Analysis	300.0		5	201717	UNJR	EA POM	01/28/26 14:32
Total/NA	Analysis	300.0		5	200240	DXD4	EA POM	01/22/26 23:12
Total/NA	Analysis	300.0		5	200241	DXD4	EA POM	01/22/26 23:12
Total/NA	Analysis	200.7 Rev 4.4		1	200612	MF7S	EA POM	01/23/26 13:13
Total/NA	Analysis	200.8		1	200654	T8BB	EA POM	01/23/26 15:56
Total/NA	Analysis	200.8		1	200655	T8BB	EA POM	01/23/26 15:56
Total/NA	Analysis	SM 2320B		1	201267	PK4Q	EA POM	01/26/26 21:01
Total/NA	Analysis	SM 2510B		1	201270	PK4Q	EA POM	01/26/26 21:01
Total/NA	Analysis	SM 2540C		1	200550	UL8Q	EA POM	01/23/26 13:01
Total/NA	Analysis	SM 4500 F C		1	201274	PK4Q	EA POM	01/26/26 20:16
Total/NA	Analysis	SM 4500 H+ B		1	201272	PK4Q	EA POM	01/26/26 21:01
Total/NA	Analysis	SM 4500 S2 D		1	200976	MH2L	EA POM	01/26/26 11:07

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-193970-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	203171	N4CJ	EA POM	02/04/26 02:00
Total/NA	Analysis	524.2		1	203272	BS7X	EA POM	02/04/26 02:00
Total/NA	Analysis	8015B GRO LL		1	688658	A9VE	EET CAL 4	01/29/26 18:09
Total/NA	Prep	504.1			200585	GVC6	EA POM	01/23/26 15:33 - 01/23/26 16:44 ¹
Total/NA	Analysis	504.1		1	200989	GVC6	EA POM	01/24/26 01:17

Lab Chronicle

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193970-3

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	203171	N4CJ	EA POM	02/04/26 02:22
Total/NA	Analysis	524.2		1	203272	BS7X	EA POM	02/04/26 02:22
Total/NA	Prep	525.2			200935	OTM3	EA POM	01/26/26 08:10
Total/NA	Analysis	525.2		1	201360	Q8LA	EA POM	01/27/26 20:10
Total/NA	Prep	625.1			686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1		1	691224	PQS1	EET CAL 4	02/04/26 19:28
Total/NA	Prep	625.1			686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1 SIM		1	690589	PQS1	EET CAL 4	02/03/26 14:55
Total/NA	Analysis	8015B GRO LL		1	688658	A9VE	EET CAL 4	01/29/26 15:09
Total/NA	Prep	504.1			200585	GVC6	EA POM	01/23/26 15:33 - 01/23/26 16:44 ¹
Total/NA	Analysis	504.1		1	200989	GVC6	EA POM	01/24/26 01:38
Total/NA	Prep	505			200446	DR5R	EA POM	01/23/26 13:26 - 01/23/26 14:30 ¹
Total/NA	Analysis	505		1	200964	DR5R	EA POM	01/23/26 21:13
Total/NA	Prep	3510C			686737	TVD6	EET CAL 4	01/25/26 10:38
Total/NA	Analysis	8015B		1	688261	NR	EET CAL 4	01/28/26 21:54
Total/NA	Analysis	8015B		1	687657	ZE2W	EET CAL 4	01/27/26 19:04
Total/NA	Analysis	300.0		5	201717	UNJR	EA POM	01/28/26 14:58
Total/NA	Analysis	300.0		5	200240	DXD4	EA POM	01/22/26 23:29
Total/NA	Analysis	300.0		5	200241	DXD4	EA POM	01/22/26 23:29
Total/NA	Analysis	200.7 Rev 4.4		1	200612	MF7S	EA POM	01/23/26 13:18
Total/NA	Analysis	200.8		1	200654	T8BB	EA POM	01/23/26 15:58
Total/NA	Analysis	200.8		1	200655	T8BB	EA POM	01/23/26 15:58
Total/NA	Analysis	SM 2320B		1	201267	PK4Q	EA POM	01/26/26 21:10
Total/NA	Analysis	SM 2510B		1	201270	PK4Q	EA POM	01/26/26 21:10
Total/NA	Analysis	SM 2540C		1	200564	UJRF	EA POM	01/23/26 13:46
Total/NA	Analysis	SM 4500 F C		1	201274	PK4Q	EA POM	01/26/26 20:20
Total/NA	Analysis	SM 4500 H+ B		1	201272	PK4Q	EA POM	01/26/26 21:10
Total/NA	Analysis	SM 4500 S2 D		1	200976	MH2L	EA POM	01/26/26 11:07

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193970-4

Date Collected: 01/21/26 11:00

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	202868	WE3W	EA POM	02/03/26 13:54
Total/NA	Analysis	524.2		1	203272	BS7X	EA POM	02/03/26 13:54
Total/NA	Analysis	8015B GRO LL		1	688658	A9VE	EET CAL 4	01/29/26 19:37
Total/NA	Prep	504.1			200585	GVC6	EA POM	01/23/26 15:33 - 01/23/26 16:44 ¹
Total/NA	Analysis	504.1		1	200989	GVC6	EA POM	01/24/26 02:00

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: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 380-193970-1
 SDG: Quarterly: Ka'amilo Wells P1/P2

Laboratory: Eurofins Pomona

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
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 renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

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

Job ID: 380-193970-1
 SDG: Quarterly: Ka'amilo Wells P1/P2

Laboratory: Eurofins 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	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

Method Summary

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

Job ID: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

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 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: 380-193970-1
SDG: Quarterly: Ka'amilo Wells P1/P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-193970-1	Ka'amilo Wells P1	Water	01/21/26 09:30	01/22/26 09:55	Hawaii
380-193970-2	TB: Ka'amilo Wells P1	Water	01/21/26 09:30	01/22/26 09:55	Hawaii
380-193970-3	Ka'amilo Wells P2	Water	01/21/26 11:00	01/22/26 09:55	Hawaii
380-193970-4	TB: Ka'amilo Wells P2	Water	01/21/26 11:00	01/22/26 09:55	Hawaii

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Monrovia, CA (Suite 100)

750 Royal Oaks Drive Suite 100
 Monrovia, CA 91016
 Phone (626) 396-1100

Chain of Custody Record



380-193970 COC

Client Information
 Company: Kirk Iwamoto
 City & County of Honolulu
 Address: 630 South Beretania Street, Chemistry Lab
 City: Honolulu
 State Zip: HI, 96843
 Phone: 808-748-5040 (tel)
 Email: kiwamoto@hbws.org
 Project Name: RED-HILL
 Site:

Sampler: Greer
Lab P#: Lopez, Maria
Phone: +1 808-748-5840
E-Mail: Maria.Lopez@et.eurolfins.com

Carrier Tracking No(s):
State of Origin:

COC No:
Page: Page 1 of 2
Job #:

Analysis Requested

Due Date Requested:
 TAT Requested (days):
 Compliance Project: Δ No
 PO #: C20525101 exp 05312023
 W/O #:
 Project #: 3800111
 SSOV#:

Field Filtered Sample (Yes or No) No
 Perform MS/MSD (Yes or No) No

504.1_PREC_506_LL_PREC
 2320B_2510B_SM4500_H+

2007_2008
 2540C_Calcd - Total dissolved Solids (TDS)
 SM4500_S2_D - Sulfide, Total
 524.2_Pres_PREC_524.2_SIM_PREC
 524.2_PREC_526plus PLUS TICs
 300_GF_28D_B_300_OF_28D_PREC_300_OF_48H_PREC_4500_F_C
 245.1 - Local Method
 8015B_GRO_LL (MOD) GRO
 8015B_DRO_LL_CS - HNL Ranges - C10-C24/C24-C36/C8-C18
 8015B_DAI - Ethanol
 525.1_525.1_SIM

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Gas, etc)	Preservation Code	R	N	D	N	D	R	A	Q	N	R	Total Number of Containers	Special Instructions/Note:	
Kaamilo Wells P1	21-Jan-2026	0930	G	Water		6	1	1	1	1	6	3	2	1	3	2	2	
Kaamilo Wells P2	21-Jan-2026	1100	G	Water		6	1	1	1	1	6	3	2	1	3	2	2	
TB: Kaamilo Wells P1	21-Jan-2026	0930		Water							2				2			
TB: Kaamilo Wells P2	21-Jan-2026	1100		Water							2				2			

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested I, II, III, IV, Other (specify)

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

Empty Kit Relinquished by
 Relinquished B: _____
 Relinquished by: _____
 Relinquished by: _____

Received by
 Received by: AK
 Received by: _____
 Received by: _____

Date/Time: 1/21/26 1300
 Date/Time: 1/22/26 0924
 Date/Time: _____

Company: HBWS
 Company: EEDP
 Company: _____

Method of Shipment: FGD (S)
Special Instructions/QC Requirements:

Method of Shipment: _____
Archives For: _____ Months

Temperature(s) °C and Other Remarks: _____



ORIGIN ID:HIKA (808) 748-5840
BWS CHEM LAB
HONOLULU BOARD OF WATER SUPPLY
630 S BERTANIA ST
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 21 JAN 26
ACT WGT: 62.00 LB
CAD: 258065652/NET4535

BILL RECIPIENT

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EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

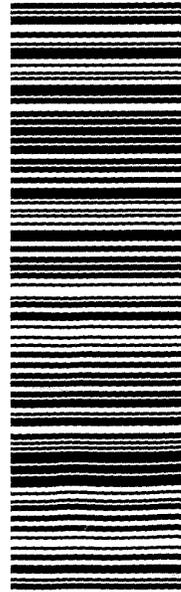
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DEPT:



8 of 13
MPS# **8881 0123 3187**
[0263]
Mstr# 8881 0123 3110
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THU - 22 JAN 10:30A
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[0201]
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ORIGIN ID:HIKA (808) 748-5840
BWS CHEM LAB
HONOLULU BOARD OF WATER SUPPLY
630 S BERTANIA ST
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 21 JAN 26
ACT WGT: 62.00 LB
CAD: 258065652/NET4535

BILL RECIPIENT

TO
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EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

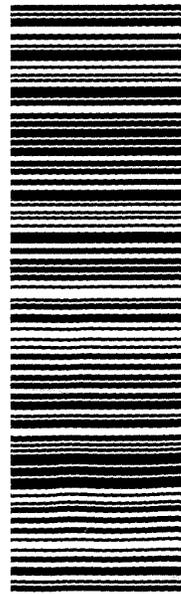
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Monrovia, CA (Suite 100)

750 Royal Oaks Drive Suite 100

Monrovia, CA 91016

Phone (626) 386-1100

Chain of Custody Record



Environment Testing
America



Client Information		Sampler: Greer		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No:			
Client Contact: Kirk Iwamoto		Phone: +1 808-748-5840		E-Mail: Maria.Lopez@et.euronisus.com		State of Origin:		Page: Page 1 of 2			
Company: City & County of Honolulu		PWSID:		Analysis Requested						Job #: 380-193970 COC	
Address: 630 South Beretania Street; Chemistry Lab		Due Date Requested:		Field Filtered Sample (Yes or No) MSB (Yes or No) 604.1_PREC, 605_LL_PREC 2320B, 2510B, SM4500_H+ 200.7, 200.8 2540C_Calcid - Total dissolved Solids (TDS) SM4500_S2_D - Sulfide, Total 624.2_Pres_PREC, 624.2_SIM_PREC 626.2_PREC - 626plus PLUS TICs 300_OF_28D_B, 300_OF_28D_PREC, 300_OF_48H_PREC, 4500_F_C 246.1 - Local Method 8018B_GRO_LL - (MOD) GRO 8018B_DRO_LL_CS - HHL Ranges: C10-C24/C24-C36/C8-C16 8018B_DAI - Ethanol 626.1, 626.1_SIM Total Number of containers		Preservation Codes:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)			
City: Honolulu		TAT Requested (days):				Compliance Project: <u>Δ No</u>				Special Instructions/Note:	
State, Zip: HI, 96843		Compliance Project: <u>Δ No</u>				PO #: C20525101 exp 05312023					
Phone: 808-748-5040 (tel)		Project #: 38001111				WO #:					
Email: kiwamoto@hbws.org		SSOW#:									
Project Name: RED-HILL											
Site:											
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=solid, O=Organic, AT=Aspirate, T=Tissue, A=Air)			
Kaamilo Wells P1		21-Jan-2026		930		G		Water			
Kaamilo Wells P2		21-Jan-2026		1100		G		Water			
TB: Kaamilo Wells P1		21-Jan-2026		930				Water			
TB: Kaamilo Wells P2		21-Jan-2026		1100				Water			
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Deliverable Requested: I, II, III, IV, Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment: <u>Fed Ex</u>					
Relinquished by: <u>MAN GREER</u>		Date/Time: <u>1/21/26 1300</u>		Company: <u>HBWS</u>		Received by: <u>[Signature]</u>		Date/Time: <u>1/22/26 0924</u>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>630A 4.9 + 0.0 = 4.9 ICE</u>							

Monrovia, CA (Suite 100)

750 Royal Oaks Drive Suite 100

Monrovia, CA 91016

Phone (626) 386-1100

Chain of Custody Record



Environment Testing
America



Client Information		Sampler: Greer		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No:			
Client Contact: Kirk Iwamoto		Phone: +1 808-748-5840		E-Mail: Maria.Lopez@et.euronisus.com		State of Origin:		Page: Page 1 of 2			
Company: City & County of Honolulu		PWSID:		Analysis Requested						Job #: 380-193970 COC	
Address: 630 South Beretania Street; Chemistry Lab		Due Date Requested:		Field Filtered Sample (Yes or No) Total Dissolved Solids (TDS) 604.1_PREC, 605_LL_PREC 2320B, 2510B, SM4500_H+ 200.7, 200.8 2540C_Calcid - Total dissolved Solids (TDS) SM4500_S2_D - Sulfide, Total 824.2_Pres_PREC, 824.2_SIM_PREC 826.2_PREC - 626plus PLUS TICs 300_OF_28D_B, 300_OF_28D_PREC, 300_OF_48H_PREC, 4500_F_C 245.1 - Local Method 8018B_GRO_LL - (MOD) GRO 8018B_DRO_LL_CS - HHL Ranges: C10-C24/C24-C36/C8-C16 8018B_DAI - Ethanol 626.1, 626.1_SIM Total Number of containers		Preservation Codes:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)			
City: Honolulu		TAT Requested (days):				Other:					
State, Zip: HI, 96843		Compliance Project: <u>Δ No</u>				Special Instructions/Note:					
Phone: 808-748-5040 (tel)		PO #: C20525101 exp 05312023									
Email: kiwamoto@hbws.org		WO #:									
Project Name: RED-HILL		Project #: 38001111									
Site:		SSOW#:									
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=solid, O=Organic, AT=Aspirate, T=Tissue, A=Air)			
Kaamilo Wells P1		21-Jan-2026		930		G		Water			
Kaamilo Wells P2		21-Jan-2026		1100		G		Water			
TB: Kaamilo Wells P1		21-Jan-2026		930				Water			
TB: Kaamilo Wells P2		21-Jan-2026		1100				Water			
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment: <u>FED EX</u>					
Relinquished by: <u>MAN GREER</u>		Date/Time: <u>1/21/26 1300</u>		Company: <u>HBWS</u>		Received by: <u>[Signature]</u>		Date/Time: <u>1/22/26 0924</u>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>630A 4.9 + 0.0 = 4.9 ICE</u>							

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

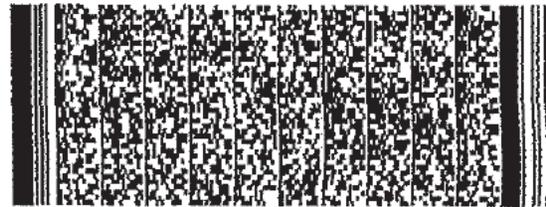
SHIP DATE: 21JAN26
ACTWGT 62.00 LB
CAD: 258050552/INET4535
BILL RECIPIENT

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941 CORPORATE CENTER DR

POMONA CA 91768

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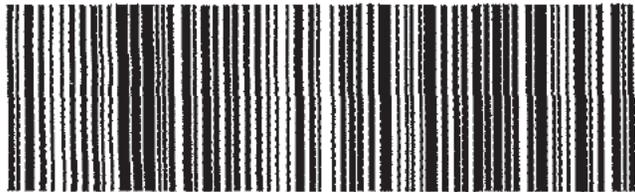
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Chain of Custody Record



Client Information		Sampler: <i>Maria Lopez</i>		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No: 380-66197-1845.1			
Client Contact: Kirk Iwamoto		Phone: +1 8087485840		E-Mail: Maria.Lopez@et.euronisus.com		State of Origin: HI		Page: Page 2 of 2			
Company: City & County of Honolulu		PWSID:		Analysis Requested						Job #:	
Address: 630 South Beretania Street, Chemistry Lab		Due Date Requested:		Field Filtered Sample (Yes or No) 604.1_PREC - Local Method						Total Number of Containers	
City: Honolulu		TAT Requested (days):									
State, Zip: HI, 96843		Compliance Project: <u>Δ No</u>									
Phone: 808-748-5040 (tel)		PO #: C20525101 exp 05312023									
Email: kiwamoto@hbws.org		WO #:								Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor T - TSP Dodecahydrate H - Ascorbic Acid U - Acetone I - Ice V - MCAA J - DI Water W - pH 4-5 K - EDTA Y - Tritama L - EDA Z - other (specify)	
Project Name: RED-HILL		Project #: 38001111								Other:	
Site:		SSOW#:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, ST=Soil, A=Air)	Field Filtered Sample (Yes or No)	604.1_PREC - Local Method	Total Number of Containers	Special Instructions/Note:		
				Preservation Code:							
TB: Kaamilo Wells P1		20-Jan-2026	930	G	Water			2			
TB: Kaamilo Wells P2		20-Jan-2026	1100	G	Water			2			
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Deliverable Requested: I, II, III, IV, Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: <i>Maria Lopez</i>		Date/Time: 1/21/26 1300		Company: HBWS		Received by: <i>[Signature]</i>		Date/Time: 1/22/26 0924		Company: <i>HBWS</i>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:							

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: 21JAN26
ACTWGT: 62.00 LB
CAD: 258050552/INET4535

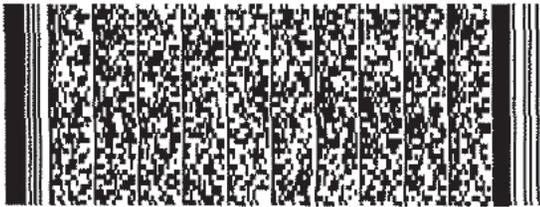
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POMONA CA 91768

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

SHIP DATE: 21JAN26
ACTWGT: 62.00 LB
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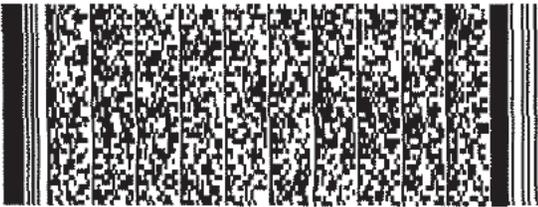
BILL RECIPIENT

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

POMONA CA 91768

(626) 388-1100 REF:
INV: DEPT:
PC:

58KJN747B484B



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MPS# 8881 0123 3187

PRIORITY OVERNIGHT

Mstr# 8881 0123 3110

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WM ONTA

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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.



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-297517.1																																																																																
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1																																																																																
Company: Eurofins Environment Testing Southwest L			Accreditations Required (See note): State - Hawaii		Job #: 380-193970-1																																																																																
Address: 2841 Dow Avenue, Suite 100,		Due Date Requested: 2/4/2026	Analysis Requested																																																																																		
City: Tustin		TAT Requested (days): N/A																																																																																			
State, Zip: CA, 92780																																																																																					
Phone: 714-895-5494(Tel)		PO #: N/A																																																																																			
Email: N/A		WO #: N/A																																																																																			
Project Name: RED-HILL		Project #: 38001111	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8015B_DAEIethanol 8015B_GRO_LL_C81310C_LLHNL Ranges: C10-C24/C24-C36/C8-C18 8016B_GRO_LLJ6030C (MOD) GRO 625.1_SIM625_Prep(MOD) Extended List 625.1/625_Prep(MOD) Tentatively Identified Compounds (hold)																																																																																		
Site: Honolulu BWS Sites		SSOW#: N/A																																																																																			
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Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.

Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Unconfirmed			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: <i>Xoro</i>		Date/Time: <i>1/23/26 17:00</i>	Company: <i>ES&A</i>	Received by: <i>llc</i>	
Relinquished by:		Date/Time:	Company:	Received by:	
Relinquished by:		Date/Time:	Company:	Received by:	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: <i>1-4/1-1 IR-1</i>			

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Login Sample Receipt Checklist

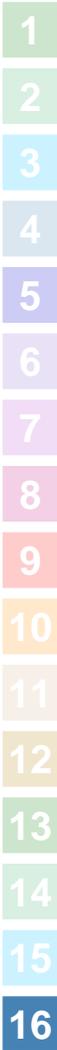
Client: City & County of Honolulu

Job Number: 380-193970-1
SDG Number: Quarterly: Ka'amilo Wells P1/P2

Login Number: 193970
List Number: 1
Creator: Del Rosario, Michael

List Source: Eurofins Pomona

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



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-193970-1
SDG Number: Quarterly: Ka'amilo Wells P1/P2

Login Number: 193970

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 01/23/26 01:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.1
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").	False	Headspace larger than 1/4".
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	