

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

RED-HILL
Quarterly: Moanalua Wells

JOB NUMBER

380-226421-1

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
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1145

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Definitions/Glossary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"

Definitions/Glossary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 380-226421-1

Job ID: 380-226421-1

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Job Narrative 380-226421-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 7/22/2026 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6°C and 2.3°C.

GC/MS VOA

Method 524.2: This method requires that all internal standards (IS) of the CCV recover +/-30% of the last reported CCV. This criteria was not met as Fluorobenzene (IS) recovered at +31.85% and 1,4 Dichlorobutane (IS) recovered at +33.15%, with respect to their last reported CCV internal standard recoveries.

Affected sample: TB:MOANALUA WELLS (331-223-TP202) (380-226421-2) Affected analyte: Tertiary Butyl Alcohol (TBA). The TBA analyte was omitted from the trip blank due to this QC failure. Analysis of the trip blank is required only if a field sample contains a method analyte or analytes at, or above, the MRL. Sample results showed ND thus valid for reporting. (XWB4)

Volume for this sample has been exhausted therefore reanalysis is not possible. Available data has been reported.

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 570-774712 and analytical batch 570-776356 recovered outside control limits for the following analyte(s): Benzidine. Benzidine has 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 matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 570-774712 and analytical batch 570-776356 exceeded control limits for the following analyte(s): Benzidine, Note that this analyte is a known poor performer when analyzed using this method.

Method 525.2: The matrix spike duplicate (MSD) recovery for preparation batch 380-242654 and analytical batch 380-242880 was below control limits for Anthracene. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Gasoline Range Organics

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

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Case Narrative

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

Job ID: 380-226421-1

Job ID: 380-226421-1 (Continued)

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Method 8015B: The continuing calibration verification (CCV) associated with 570-773371 recovered high and outside the control limits for Ethanol on one column. Results are confirmed on both columns and reported from the passing column.

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 following sample was diluted for Nitrite as N to prevent detector saturation due to high conductivity: MOANALUA WELLS (331-223-TP202) (380-226421-1). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Trihalomethanes, Total	0.63		0.50	ug/L	1		524.2	Total/NA
Bromoform	0.63		0.50	ug/L	1		524.2	Total/NA
Dieldrin	0.023		0.0097	ug/L	1		525.2	Total/NA
Chlordane (n.o.s.)	0.12		0.10	ug/L	1		505	Total/NA
Bromide	200		5.0	ug/L	1		300.0	Total/NA
Chloride	94		2.5	mg/L	5		300.0	Total/NA
Nitrate as N	0.64		0.25	mg/L	5		300.0	Total/NA
Sulfate	15		1.3	mg/L	5		300.0	Total/NA
Calcium	17		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	16		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.2		0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	41		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	2.3		0.90	ug/L	1		200.8	Total/NA
Copper	6.7		1.0	ug/L	1		200.8	Total/NA
Selenium	3.3		2.0	ug/L	1		200.8	Total/NA
Alkalinity	60		2.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	60		2.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	460		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	310		20	mg/L	1		SM 2540C	Total/NA
pH	8.1	HF		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-2

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	0.63		0.50	ug/L			08/03/26 10:33	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			08/03/26 10:33	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			08/03/26 10:33	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			08/03/26 10:33	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			08/04/26 18:57	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			08/03/26 10:33	1
1,1-Dichloroethane	<0.50		0.50	ug/L			08/03/26 10:33	1
1,1-Dichloropropene	<0.50		0.50	ug/L			08/03/26 10:33	1
1,2,3-Trichlorobenzene	<0.50	+	0.50	ug/L			08/03/26 10:33	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			08/03/26 10:33	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
1,2-Dichloroethane	<0.50		0.50	ug/L			08/03/26 10:33	1
1,2-Dichloropropane	<0.50		0.50	ug/L			08/03/26 10:33	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
1,3-Dichloropropane	<0.50		0.50	ug/L			08/03/26 10:33	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			08/03/26 10:33	1
2,2-Dichloropropane	<0.50		0.50	ug/L			08/03/26 10:33	1
2-Butanone (MEK)	<5.0		5.0	ug/L			08/03/26 10:33	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			08/03/26 10:33	1
Acetone	<500		500	ug/L			08/03/26 10:33	1
Benzene	<0.50		0.50	ug/L			08/03/26 10:33	1
Bromobenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
Bromochloromethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Bromodichloromethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Bromoethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Bromoform	0.63		0.50	ug/L			08/03/26 10:33	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			08/03/26 10:33	1
Carbon disulfide	<0.50		0.50	ug/L			08/03/26 10:33	1
Carbon tetrachloride	<0.50		0.50	ug/L			08/03/26 10:33	1
Chlorobenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
Chlorodibromomethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Chloroethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			08/03/26 10:33	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			08/03/26 10:33	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 10:33	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			08/03/26 10:33	1
Dibromomethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Dichloromethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Diisopropyl ether	<3.0		3.0	ug/L			08/03/26 10:33	1
Ethylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
Hexachlorobutadiene	<0.50		0.50	ug/L			08/03/26 10:33	1
Isopropylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
m,p-Xylenes	<0.50		0.50	ug/L			08/03/26 10:33	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			08/03/26 10:33	1

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Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

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			08/03/26 10:33	1
Naphthalene	<0.50	*+	0.50	ug/L			08/03/26 10:33	1
n-Butylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
N-Propylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
o-Chlorotoluene	<0.50		0.50	ug/L			08/03/26 10:33	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			08/03/26 10:33	1
o-Xylene	<0.50		0.50	ug/L			08/03/26 10:33	1
p-Chlorotoluene	<0.50		0.50	ug/L			08/03/26 10:33	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			08/03/26 10:33	1
p-Isopropyltoluene	<0.50		0.50	ug/L			08/03/26 10:33	1
sec-Butylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
Styrene	<0.50		0.50	ug/L			08/03/26 10:33	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			08/03/26 10:33	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			08/03/26 10:33	1
tert-Butylbenzene	<0.50		0.50	ug/L			08/03/26 10:33	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			08/03/26 10:33	1
Toluene	<0.50		0.50	ug/L			08/03/26 10:33	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 10:33	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			08/03/26 10:33	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			08/03/26 10:33	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			08/03/26 10:33	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			08/03/26 10:33	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			08/03/26 10:33	1
Xylenes, Total	<0.50		0.50	ug/L			08/03/26 10:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		08/03/26 10:33	1
Tentatively Identified Compound	None		ug/L			N/A		08/04/26 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		08/03/26 10:33	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		08/04/26 18:57	1
4-Bromofluorobenzene (Surr)	100		70 - 130		08/03/26 10:33	1
4-Bromofluorobenzene (Surr)	105		70 - 130		08/04/26 18:57	1
Toluene-d8 (Surr)	100		70 - 130		08/03/26 10:33	1
Toluene-d8 (Surr)	88		70 - 130		08/04/26 18:57	1
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		08/03/26 10:33	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		08/04/26 18:57	1
4-Bromofluorobenzene (Surr)	100		70 - 130		08/03/26 10:33	1
4-Bromofluorobenzene (Surr)	105		70 - 130		08/04/26 18:57	1
Toluene-d8 (Surr)	100		70 - 130		08/03/26 10:33	1
Toluene-d8 (Surr)	88		70 - 130		08/04/26 18:57	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		07/27/26 11:41	07/28/26 12:40	1
2,4'-DDE	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
2,4'-DDT	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
4,4'-DDE	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
4,4'-DDT	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Acenaphthene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Acenaphthylene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Acetochlor	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Alachlor	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
alpha-BHC	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
alpha-Chlordane	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Anthracene	<0.019	F1	0.019	ug/L		07/27/26 11:41	07/28/26 12:40	1
Atrazine	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Benz(a)anthracene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Benzo[a]pyrene	<0.019		0.019	ug/L		07/27/26 11:41	07/28/26 12:40	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		07/27/26 11:41	07/28/26 12:40	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		07/27/26 11:41	07/28/26 12:40	1
beta-BHC	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		07/27/26 11:41	07/28/26 12:40	1
Aldrin	<0.0097		0.0097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Bromacil	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Butachlor	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Butylbenzylphthalate	<0.48		0.48	ug/L		07/27/26 11:41	07/28/26 12:40	1
Chlorobenzilate	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Chloroneb	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Chlorpyrifos	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Chrysene	<0.019		0.019	ug/L		07/27/26 11:41	07/28/26 12:40	1
delta-BHC	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		07/27/26 11:41	07/28/26 12:40	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Diieldrin	0.023		0.0097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Diethylphthalate	<0.48		0.48	ug/L		07/27/26 11:41	07/28/26 12:40	1
Dimethylphthalate	<0.48		0.48	ug/L		07/27/26 11:41	07/28/26 12:40	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		07/27/26 11:41	07/28/26 12:40	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Endosulfan sulfate	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Endrin	<0.0097		0.0097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Endrin aldehyde	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
EPTC	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Fluoranthene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Fluorene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
gamma-BHC (Lindane)	<0.0097		0.0097	ug/L		07/27/26 11:41	07/28/26 12:40	1
gamma-Chlordane	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Heptachlor	<0.0097		0.0097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Hexachlorobenzene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Isophorone	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Malathion	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Methoxychlor	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Metolachlor	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Molinate	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Naphthalene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Parathion	<0.097	F1 *+	0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Phenanthrene	<0.039		0.039	ug/L		07/27/26 11:41	07/28/26 12:40	1
Propachlor	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Pyrene	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Simazine	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Terbacil	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Terbutylazine	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Thiobencarb	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		07/27/26 11:41	07/28/26 12:40	1
trans-Nonachlor	<0.048		0.048	ug/L		07/27/26 11:41	07/28/26 12:40	1
Trifluralin	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
1-Methylnaphthalene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1
2-Methylnaphthalene	<0.097		0.097	ug/L		07/27/26 11:41	07/28/26 12:40	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/27/26 11:41	07/28/26 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	103		70 - 130	07/27/26 11:41	07/28/26 12:40	1
Perylene-d12	93		70 - 130	07/27/26 11:41	07/28/26 12:40	1
Triphenylphosphate	108		70 - 130	07/27/26 11:41	07/28/26 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
2,4,5-Trichlorophenol	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
2,4,6-Trichlorophenol	<0.97		0.97	ug/L		07/27/26 07:47	07/30/26 00:26	1
2,4-Dichlorophenol	<0.97		0.97	ug/L		07/27/26 07:47	07/30/26 00:26	1
2,4-Dinitrophenol	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
2,6-Dichlorophenol	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
2-Chloronaphthalene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
2-Chlorophenol	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
2-Methylnaphthalene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
2-Methylphenol	<0.97		0.97	ug/L		07/27/26 07:47	07/30/26 00:26	1
2-Nitroaniline	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
2-Nitrophenol	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
3/4-Methylphenol	<1.9		1.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
3-Nitroaniline	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
4,6-Dinitro-2-methylphenol	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
4-Bromophenyl phenyl ether	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
4-Chloro-3-methylphenol	<0.97		0.97	ug/L		07/27/26 07:47	07/30/26 00:26	1

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Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
4-Chlorophenyl phenyl ether	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
4-Nitroaniline	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
4-Nitrophenol	<4.9		4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
Acenaphthene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Acenaphthylene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Aniline	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Anthracene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzidine	<4.9	*	4.9	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzo[a]anthracene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzo[a]pyrene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzoic acid	<9.7		9.7	ug/L		07/27/26 07:47	07/30/26 00:26	1
Benzyl alcohol	<0.97		0.97	ug/L		07/27/26 07:47	07/30/26 00:26	1
Bis(2-chloroethoxy)methane	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Bis(2-chloroethyl)ether	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
bis (2-Chloroisopropyl) ether	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Chrysene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Dibenzofuran	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Fluoranthene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Fluorene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Hexachloroethane	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Naphthalene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Nitrobenzene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
N-Nitrosodi-n-propylamine	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
N-Nitrosodiphenylamine	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Pentachlorophenol	<0.97		0.97	ug/L		07/27/26 07:47	07/30/26 00:26	1
Phenanthrene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1
Phenol	<0.97		0.97	ug/L		07/27/26 07:47	07/30/26 00:26	1
Pyrene	<0.19		0.19	ug/L		07/27/26 07:47	07/30/26 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		28 - 127	07/27/26 07:47	07/30/26 00:26	1
2-Fluorobiphenyl (Surr)	83		31 - 120	07/27/26 07:47	07/30/26 00:26	1
2-Fluorophenol (Surr)	51		17 - 120	07/27/26 07:47	07/30/26 00:26	1
Nitrobenzene-d5 (Surr)	79		27 - 120	07/27/26 07:47	07/30/26 00:26	1
Phenol-d6 (Surr)	31		10 - 120	07/27/26 07:47	07/30/26 00:26	1
p-Terphenyl-d14 (Surr)	80		45 - 120	07/27/26 07:47	07/30/26 00:26	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/27/26 07:47	08/05/26 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		33 - 139	07/27/26 07:47	08/05/26 12:40	1
2-Fluorobiphenyl (Surr)	99		33 - 126	07/27/26 07:47	08/05/26 12:40	1

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Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	57		12 - 120	07/27/26 07:47	08/05/26 12:40	1
Nitrobenzene-d5 (Surr)	105		36 - 120	07/27/26 07:47	08/05/26 12:40	1
Phenol-d6 (Surr)	33		10 - 120	07/27/26 07:47	08/05/26 12:40	1
p-Terphenyl-d14 (Surr)	91		47 - 131	07/27/26 07:47	08/05/26 12:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/29/26 18:31	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	100		38 - 134				07/29/26 18:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		07/23/26 15:35	07/23/26 23:19	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		07/23/26 15:35	07/23/26 23:19	1
1,2-Dibromoethane	<0.010		0.010	ug/L		07/23/26 15:35	07/23/26 23:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	106		60 - 140			07/23/26 15:35	07/23/26 23:19	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		07/24/26 14:17	07/24/26 23:58	1
Chlordane (n.o.s.)	0.12		0.10	ug/L		07/24/26 14:17	07/24/26 23:58	1
PCB-1016	<0.070		0.070	ug/L		07/24/26 14:17	07/24/26 23:58	1
PCB-1221	<0.10		0.10	ug/L		07/24/26 14:17	07/24/26 23:58	1
PCB-1232	<0.10		0.10	ug/L		07/24/26 14:17	07/24/26 23:58	1
PCB-1242	<0.10		0.10	ug/L		07/24/26 14:17	07/24/26 23:58	1
PCB-1248	<0.10		0.10	ug/L		07/24/26 14:17	07/24/26 23:58	1
PCB-1254	<0.10		0.10	ug/L		07/24/26 14:17	07/24/26 23:58	1
PCB-1260	<0.070		0.070	ug/L		07/24/26 14:17	07/24/26 23:58	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		07/24/26 14:17	07/24/26 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	112		70 - 130			07/24/26 14:17	07/24/26 23:58	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		07/23/26 15:29	08/05/26 15:52	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		07/23/26 15:29	08/05/26 15:52	1
C8-C18	<26		26	ug/L		07/23/26 15:29	08/05/26 15:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	107		60 - 130			07/23/26 15:29	08/05/26 15:52	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			07/23/26 19:28	1

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Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	99		52 - 149				07/23/26 19:28	1
Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	200		5.0	ug/L			08/14/26 19:19	1
Chloride	94		2.5	mg/L			07/22/26 16:58	5
Nitrate as N	0.64		0.25	mg/L			07/22/26 16:58	5
Nitrite as N	<0.25		0.25	mg/L			07/22/26 16:58	5
Sulfate	15		1.3	mg/L			07/22/26 16:58	5
Method: EPA 200.7 Rev 4.4 - Metals (ICP)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	17		0.10	mg/L			07/23/26 16:02	1
Magnesium	16		0.10	mg/L			07/23/26 16:02	1
Potassium	2.2		0.20	mg/L			07/23/26 16:02	1
Sodium	41		0.10	mg/L			07/23/26 16:02	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			07/23/26 15:30	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			07/23/26 15:30	1
Arsenic	<1.0		1.0	ug/L			07/23/26 15:30	1
Beryllium	<0.30		0.30	ug/L			07/23/26 15:30	1
Cadmium	<0.50		0.50	ug/L			07/23/26 15:30	1
Chromium	2.3		0.90	ug/L			07/23/26 15:30	1
Copper	6.7		1.0	ug/L			07/23/26 15:30	1
Lead	<0.50		0.50	ug/L			07/23/26 15:30	1
Nickel	<5.0		5.0	ug/L			07/23/26 15:30	1
Selenium	3.3		2.0	ug/L			07/23/26 15:30	1
Silver	<0.50		0.50	ug/L			07/23/26 15:30	1
Thallium	<0.30		0.30	ug/L			07/23/26 15:30	1
Zinc	<5.0		5.0	ug/L			07/23/26 15:30	1
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	60		2.0	mg/L			07/22/26 20:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	60		2.0	mg/L			07/22/26 20:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<2.0		2.0	mg/L			07/22/26 20:33	1
Specific Conductance (SM 2510B)	460		2.0	umhos/cm			07/22/26 20:33	1
Total Dissolved Solids (SM 2540C)	310		20	mg/L			07/22/26 16:48	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			07/23/26 00:25	1
pH (SM 4500 H+ B)	8.1	HF		SU			07/22/26 20:33	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mq/L			07/27/26 15:42	1

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Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-2

Date Collected: 07/21/26 10:17

Matrix: Water

Date Received: 07/22/26 09:50

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			08/03/26 10:56	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			08/03/26 10:56	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			08/03/26 10:56	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			08/03/26 10:56	1
1,1-Dichloroethane	<0.50		0.50	ug/L			08/03/26 10:56	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 10:56	1
1,1-Dichloropropene	<0.50		0.50	ug/L			08/03/26 10:56	1
1,2,3-Trichlorobenzene	<0.50	*+	0.50	ug/L			08/03/26 10:56	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			08/03/26 10:56	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
1,2-Dichloroethane	<0.50		0.50	ug/L			08/03/26 10:56	1
1,2-Dichloropropane	<0.50		0.50	ug/L			08/03/26 10:56	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
1,3-Dichloropropane	<0.50		0.50	ug/L			08/03/26 10:56	1
2,2-Dichloropropane	<0.50		0.50	ug/L			08/03/26 10:56	1
2-Butanone (MEK)	<5.0		5.0	ug/L			08/03/26 10:56	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			08/03/26 10:56	1
Acetone	<500		500	ug/L			08/03/26 10:56	1
Benzene	<0.50		0.50	ug/L			08/03/26 10:56	1
Bromobenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
Bromochloromethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Bromodichloromethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Bromoform	<0.50		0.50	ug/L			08/03/26 10:56	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			08/03/26 10:56	1
Carbon disulfide	<0.50		0.50	ug/L			08/03/26 10:56	1
Carbon tetrachloride	<0.50		0.50	ug/L			08/03/26 10:56	1
Chlorobenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
Chlorodibromomethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Chloroethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			08/03/26 10:56	1
Dichloromethane	<0.50		0.50	ug/L			08/03/26 10:56	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 10:56	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			08/03/26 10:56	1
Dibromomethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Ethylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
Hexachlorobutadiene	<0.50		0.50	ug/L			08/03/26 10:56	1
Isopropylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
m,p-Xylenes	<0.50		0.50	ug/L			08/03/26 10:56	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			08/03/26 10:56	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			08/03/26 10:56	1
Naphthalene	<0.50	*+	0.50	ug/L			08/03/26 10:56	1
n-Butylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
N-Propylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			08/03/26 10:56	1
o-Chlorotoluene	<0.50		0.50	ug/L			08/03/26 10:56	1
o-Xylene	<0.50		0.50	ug/L			08/03/26 10:56	1
p-Chlorotoluene	<0.50		0.50	ug/L			08/03/26 10:56	1

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Client Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-2

Date Collected: 07/21/26 10:17

Matrix: Water

Date Received: 07/22/26 09:50

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			08/03/26 10:56	1
p-Isopropyltoluene	<0.50		0.50	ug/L			08/03/26 10:56	1
sec-Butylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
Styrene	<0.50		0.50	ug/L			08/03/26 10:56	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			08/03/26 10:56	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			08/03/26 10:56	1
tert-Butylbenzene	<0.50		0.50	ug/L			08/03/26 10:56	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			08/03/26 10:56	1
Toluene	<0.50		0.50	ug/L			08/03/26 10:56	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			08/03/26 10:56	1
Xylenes, Total	<0.50		0.50	ug/L			08/03/26 10:56	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 10:56	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			08/03/26 10:56	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			08/03/26 10:56	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			08/03/26 10:56	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			08/03/26 10:56	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Bromoethane	<0.50		0.50	ug/L			08/03/26 10:56	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			08/03/26 10:56	1
Diisopropyl ether	<3.0		3.0	ug/L			08/03/26 10:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.62	T J	ug/L		0.97	N/A		08/03/26 10:56	1
Unknown	52	T J	ug/L		9.02	N/A		08/03/26 10:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		08/03/26 10:56	1
4-Bromofluorobenzene (Surr)	102		70 - 130		08/03/26 10:56	1
Toluene-d8 (Surr)	110		70 - 130		08/03/26 10:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/29/26 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		38 - 134		07/29/26 17:17	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		07/23/26 15:35	07/24/26 04:00	1
1,2-Dibromo-3-Chloropropane	<0.0099		0.0099	ug/L		07/23/26 15:35	07/24/26 04:00	1
1,2-Dibromoethane	<0.0099		0.0099	ug/L		07/23/26 15:35	07/24/26 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	110		60 - 140	07/23/26 15:35	07/24/26 04:00	1

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Action Limit Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

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	0.63		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	0.63		ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100		524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Vinyl Chloride (VC)	<0.30		ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		524.2	Total/NA
Alachlor	<0.048		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)	<0.0097		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	<0.97		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.)	0.12		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA

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Action Limit Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)
(Continued)

Lab Sample ID: 380-226421-1

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
Chloride	94		mg/L			250	300.0	Total/NA
Nitrate as N	0.64		mg/L		10		300.0	Total/NA
Nitrite as N	<0.25		mg/L		1		300.0	Total/NA
Sulfate	15		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	2.3		ug/L		100		200.8	Total/NA
Copper	6.7		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		15.000		200.8	Total/NA
Selenium	3.3		ug/L		50		200.8	Total/NA
Silver	<0.50		ug/L			100	200.8	Total/NA
Thallium	<0.30		ug/L		2		200.8	Total/NA
Zinc	<5.0		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	310		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	8.1	HF	SU			6.5-8.5	SM 4500 H+ B	Total/NA

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-2

Compliance Check

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

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

Eurofins Pomona

Action Limit Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)
(Continued)

Lab Sample ID: 380-226421-2

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
Styrene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000	0.50	524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Vinyl Chloride (VC)	<0.30		ug/L	2.000	2	0.30	524.2	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000		0.020	504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.0099		ug/L		0.2	0.0099	504.1	Total/NA
1,2-Dibromoethane	<0.0099		ug/L		0.05	0.0099	504.1	Total/NA

Surrogate Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Matrix: Drinking 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)
380-226421-1	MOANALUA WELLS (331-223-T	98	98	100	100	100	100
380-226421-1	MOANALUA WELLS (331-223-TP202)	100	100	105	105	88	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

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)	BFB (70-130)	TOL (70-130)
380-226421-2	TB:MOANALUA WELLS (331-223-T	107	102	110
LCS 380-243987/3	Lab Control Sample	94	97	98
LCS 380-244305/11	Lab Control Sample	99	102	100
LCSD 380-243987/4	Lab Control Sample Dup	97	100	98
LCSD 380-244305/12	Lab Control Sample Dup	98	99	101
MB 380-243987/5	Method Blank	101	98	101
MB 380-244305/15	Method Blank	104	105	91
MRL 380-243987/27	Lab Control Sample	107	99	108
MRL 380-243987/28	Lab Control Sample	92	101	99
MRL 380-244305/13	Lab Control Sample	102	103	94
MRL 380-244305/14	Lab Control Sample	105	102	95

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: Drinking 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)
380-226421-1	MOANALUA WELLS (331-223-T	103	93	108
380-226421-1 MS	MOANALUA WELLS (331-223-TP202)	101	97	111
380-226421-1 MSD	MOANALUA WELLS (331-223-TP202)	102	98	112

Surrogate Legend

2NMX = 2-Nitro-m-xylene

PRY = Perylene-d12

TPP = Triphenylphosphate

Surrogate Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)				
LCS 380-242654/23-A	Lab Control Sample	100	95	112				
MB 380-242654/21-A	Method Blank	100	91	112				
MRL 380-242654/22-A	Lab Control Sample	102	92	112				
Surrogate Legend								
2NMX = 2-Nitro-m-xylene								
PRY = Perylene-d12								
TPP = Triphenylphosphate								

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
380-226421-1	MOANALUA WELLS (331-223-T	92	99	57	105	33	91		
Surrogate Legend									
TBP = 2,4,6-Tribromophenol (Surr)									
FBP = 2-Fluorobiphenyl (Surr)									
2FP = 2-Fluorophenol (Surr)									
NBZ = Nitrobenzene-d5 (Surr)									
PHL6 = Phenol-d6 (Surr)									
TPHd14 = p-Terphenyl-d14 (Surr)									

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
MB 570-774712/1-A	Method Blank	81	93	59	101	37	87		
Surrogate Legend									
TBP = 2,4,6-Tribromophenol (Surr)									
FBP = 2-Fluorobiphenyl (Surr)									
2FP = 2-Fluorophenol (Surr)									
NBZ = Nitrobenzene-d5 (Surr)									
PHL6 = Phenol-d6 (Surr)									
TPHd14 = p-Terphenyl-d14 (Surr)									

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)		
380-226421-1	MOANALUA WELLS (331-223-T	92	83	51	79	31	80		
Surrogate Legend									
TBP = 2,4,6-Tribromophenol (Surr)									
FBP = 2-Fluorobiphenyl (Surr)									
2FP = 2-Fluorophenol (Surr)									

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Surrogate Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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)
380-227047-C-1-A MS	Matrix Spike	87	73	54	69	34	78
380-227047-C-1-B MSD	Matrix Spike Duplicate	103	84	66	75	43	95
LCS 570-774712/2-A	Lab Control Sample	91	77	56	61	36	83
LCSD 570-774712/3-A	Lab Control Sample Dup	89	74	55	62	36	80
MB 570-774712/1-A	Method Blank	93	83	55	79	34	80

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		BFB1 (38-134)					
380-226421-1	MOANALUA WELLS (331-223-T	100					

Surrogate Legend

BFB = 4-Bromofluorobenzene (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)					
380-226421-2	TB:MOANALUA WELLS (331-223-T	101					
380-227047-A-1 MS	Matrix Spike	102					
380-227047-A-1 MSD	Matrix Spike Duplicate	102					
LCS 570-775914/3	Lab Control Sample	102					
LCSD 570-775914/4	Lab Control Sample Dup	102					
MB 570-775914/6	Method Blank	100					
MRL 570-775914/7	Lab Control Sample	102					

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		DBPP1 (60-140)					
380-226421-1	MOANALUA WELLS (331-223-T	106					

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Surrogate Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBPP1 (60-140)
380-226309-BU-1-A MS	Matrix Spike	107
380-226421-2	TB:MOANALUA WELLS (331-223-TP202)	110
380 226453 L 1 A DU	Duplicate	109
LCS 380-241939/36-B	Lab Control Sample	105
MBL 380-241939/4-A	Method Blank	109
MRL 380-241939/2-A	Lab Control Sample	116
MRL 380-241939/3-A	Lab Control Sample	110

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-226421-1	MOANALUA WELLS (331-223-T	112

Surrogate Legend

TCX = Tetrachloro-m-xylene

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-226673-B-3-A MS	Matrix Spike	111
380-226673-C-3-A MS	Matrix Spike	116
380-226673-C-4-A MS	Matrix Spike	116
380-226673-D-4-A MS	Matrix Spike	118
LCS 380-242163/28-A	Lab Control Sample	119
LCS 380-242163/30-A	Lab Control Sample	112
LCS 380-242163/31-A	Lab Control Sample	114
LCSD 380-242163/29-A	Lab Control Sample Dup	100
MB 380-242163/3-A	Method Blank	114
MRL 380-242163/1-A	Lab Control Sample	108
MRL 380-242163/2-A	Lab Control Sample	113

Surrogate Legend

TCX = Tetrachloro-m-xylene

Surrogate Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-226421-1 - RA	MOANALUA WELLS (331-223-T	107

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-226428-B-1-A MS	Matrix Spike	119
380-226428-B-1-B MSD	Matrix Spike Duplicate	120
LCS 570-773351/2-A	Lab Control Sample	103
LCSD 570-773351/3-A	Lab Control Sample Dup	110
MB 570-773351/1-A	Method Blank	91
MRL 570-773351/4-A	Lab Control Sample	95

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (52-149)
380-226421-1	MOANALUA WELLS (331-223-T	99

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (52-149)
380-226049-AB-1 MS	Matrix Spike	79
380-226049-AB-1 MSD	Matrix Spike Duplicate	89
LCS 570-773371/5	Lab Control Sample	97
LCSD 570-773371/6	Lab Control Sample Dup	96
MB 570-773371/3	Method Blank	96
MRL 570-773371/4	Lab Control Sample	8

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 380-243987/5

Matrix: Water

Analysis Batch: 243987

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			08/03/26 07:52	1
Tertiary Butyl Alcohol (TBA)	<2.0	^3-	2.0	ug/L			08/03/26 07:52	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			08/03/26 07:52	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			08/03/26 07:52	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			08/03/26 07:52	1
1,1-Dichloroethane	<0.50		0.50	ug/L			08/03/26 07:52	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 07:52	1
1,1-Dichloropropene	<0.50		0.50	ug/L			08/03/26 07:52	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			08/03/26 07:52	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
1,2-Dichloroethane	<0.50		0.50	ug/L			08/03/26 07:52	1
1,2-Dichloropropane	<0.50		0.50	ug/L			08/03/26 07:52	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
1,3-Dichloropropane	<0.50		0.50	ug/L			08/03/26 07:52	1
2,2-Dichloropropane	<0.50		0.50	ug/L			08/03/26 07:52	1
2-Butanone (MEK)	<5.0		5.0	ug/L			08/03/26 07:52	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			08/03/26 07:52	1
Acetone	<500		500	ug/L			08/03/26 07:52	1
Benzene	<0.50		0.50	ug/L			08/03/26 07:52	1
Bromobenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
Bromochloromethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Bromodichloromethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Bromoform	<0.50		0.50	ug/L			08/03/26 07:52	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			08/03/26 07:52	1
Carbon disulfide	<0.50		0.50	ug/L			08/03/26 07:52	1
Carbon tetrachloride	<0.50		0.50	ug/L			08/03/26 07:52	1
Chlorobenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
Chlorodibromomethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Chloroethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			08/03/26 07:52	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 07:52	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			08/03/26 07:52	1
Dibromomethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Dichloromethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Ethylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
Hexachlorobutadiene	<0.50		0.50	ug/L			08/03/26 07:52	1
Isopropylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
m,p-Xylenes	<0.50		0.50	ug/L			08/03/26 07:52	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			08/03/26 07:52	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			08/03/26 07:52	1
Naphthalene	<0.50		0.50	ug/L			08/03/26 07:52	1
n-Butylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
N-Propylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
o-Chlorotoluene	<0.50		0.50	ug/L			08/03/26 07:52	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			08/03/26 07:52	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 380-243987/5

Matrix: Water

Analysis Batch: 243987

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	ug/L			08/03/26 07:52	1
p-Chlorotoluene	<0.50		0.50	ug/L			08/03/26 07:52	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			08/03/26 07:52	1
p-Isopropyltoluene	<0.50		0.50	ug/L			08/03/26 07:52	1
sec-Butylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
Styrene	<0.50		0.50	ug/L			08/03/26 07:52	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			08/03/26 07:52	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			08/03/26 07:52	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			08/03/26 07:52	1
tert-Butylbenzene	<0.50		0.50	ug/L			08/03/26 07:52	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			08/03/26 07:52	1
Toluene	<0.50		0.50	ug/L			08/03/26 07:52	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/03/26 07:52	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			08/03/26 07:52	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			08/03/26 07:52	1
Bromoethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			08/03/26 07:52	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			08/03/26 07:52	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			08/03/26 07:52	1
Diisopropyl ether	<3.0		3.0	ug/L			08/03/26 07:52	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			08/03/26 07:52	1
Xylenes, Total	<0.50		0.50	ug/L			08/03/26 07:52	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		08/03/26 07:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		08/03/26 07:52	1
4-Bromofluorobenzene (Surr)	98		70 - 130		08/03/26 07:52	1
Toluene-d8 (Surr)	101		70 - 130		08/03/26 07:52	1

Lab Sample ID: LCS 380-243987/3

Matrix: Water

Analysis Batch: 243987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.93		ug/L		99	70 - 130
1,1,1-Trichloroethane	5.00	4.77		ug/L		95	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.43		ug/L		109	70 - 130
1,1,2-Trichloroethane	5.00	5.28		ug/L		106	70 - 130
1,1-Dichloroethane	5.00	4.93		ug/L		99	70 - 130
1,1-Dichloroethylene	5.00	5.09		ug/L		102	70 - 130
1,1-Dichloropropene	5.00	4.87		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	5.00	6.61	*+	ug/L		132	70 - 130
1,2,3-Trichloropropane	5.00	5.81		ug/L		116	70 - 130
1,2,4-Trichlorobenzene	5.00	6.15		ug/L		123	70 - 130
1,2,4-Trimethylbenzene	5.00	5.45		ug/L		109	70 - 130
1,2-Dichloroethane	5.00	5.54		ug/L		111	70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-243987/3

Matrix: Water

Analysis Batch: 243987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	5.00	5.01		ug/L		100	70 - 130
1,3,5-Trimethylbenzene	5.00	5.52		ug/L		110	70 - 130
1,3-Dichloropropane	5.00	5.14		ug/L		103	70 - 130
2,2-Dichloropropane	5.00	4.08		ug/L		82	70 - 130
2-Butanone (MEK)	50.0	56.6		ug/L		113	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	56.9		ug/L		114	70 - 130
Acetone	50.0	58.9	J	ug/L		118	70 - 130
Benzene	5.00	5.28		ug/L		106	70 - 130
Bromobenzene	5.00	5.39		ug/L		108	70 - 130
Bromochloromethane	5.00	5.24		ug/L		105	70 - 130
Bromodichloromethane	5.00	4.78		ug/L		96	70 - 130
Bromoform	5.00	4.65		ug/L		93	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.24		ug/L		105	70 - 130
Carbon disulfide	5.00	4.36		ug/L		87	70 - 130
Carbon tetrachloride	5.00	4.54		ug/L		91	70 - 130
Chlorobenzene	5.00	5.12		ug/L		102	70 - 130
Chlorodibromomethane	5.00	4.64		ug/L		93	70 - 130
cis-1,3-Dichloropropene	5.00	4.73		ug/L		95	70 - 130
Dichloromethane	5.00	4.86		ug/L		97	70 - 130
Ethylbenzene	5.00	5.24		ug/L		105	70 - 130
Hexachlorobutadiene	5.00	6.39		ug/L		128	70 - 130
Isopropylbenzene	5.00	5.42		ug/L		108	70 - 130
m,p-Xylenes	10.0	10.4		ug/L		104	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.42		ug/L		108	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	5.27		ug/L		105	70 - 130
Naphthalene	5.00	6.72	*+	ug/L		134	70 - 130
n-Butylbenzene	5.00	6.10		ug/L		122	70 - 130
N-Propylbenzene	5.00	5.50		ug/L		110	70 - 130
o-Chlorotoluene	5.00	5.59		ug/L		112	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	6.10		ug/L		122	70 - 130
o-Xylene	5.00	5.10		ug/L		102	70 - 130
p-Chlorotoluene	5.00	5.42		ug/L		108	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.32		ug/L		106	70 - 130
p-Isopropyltoluene	5.00	5.32		ug/L		106	70 - 130
sec-Butylbenzene	5.00	5.54		ug/L		111	70 - 130
Styrene	5.00	5.06		ug/L		101	70 - 130
Tert-amyl methyl ether	5.00	4.98		ug/L		100	70 - 130
1,3-Dichloropropene, Total	10.0	9.35		ug/L		94	70 - 130
Tert-butyl ethyl ether	5.00	4.82		ug/L		96	70 - 130
tert-Butylbenzene	5.00	5.56		ug/L		111	70 - 130
Tetrachloroethene (PCE)	5.00	5.20		ug/L		104	70 - 130
Toluene	5.00	5.04		ug/L		101	70 - 130
trans-1,2-Dichloroethylene	5.00	5.15		ug/L		103	70 - 130
trans-1,3-Dichloropropene	5.00	4.62		ug/L		92	70 - 130
Trichloroethylene (TCE)	5.00	5.04		ug/L		101	70 - 130
Bromoethane	5.00	5.09		ug/L		102	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.11		ug/L		102	70 - 130
Trichlorotrifluoroethane	5.00	5.40		ug/L		108	70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-243987/3

Matrix: Water

Analysis Batch: 243987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diisopropyl ether	5.00	4.72		ug/L		94	70 - 130
Vinyl Chloride (VC)	5.00	5.38		ug/L		108	70 - 130
Xylenes, Total	15.0	15.5		ug/L		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 380-243987/4

Matrix: Water

Analysis Batch: 243987

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.66		ug/L		93	70 - 130	6	20
1,1,1-Trichloroethane	5.00	4.56		ug/L		91	70 - 130	4	20
1,1,2,2-Tetrachloroethane	5.00	5.38		ug/L		108	70 - 130	1	20
1,1,2-Trichloroethane	5.00	4.95		ug/L		99	70 - 130	7	20
1,1-Dichloroethane	5.00	4.77		ug/L		95	70 - 130	3	20
1,1-Dichlorethylene	5.00	4.86		ug/L		97	70 - 130	4	20
1,1-Dichloropropene	5.00	4.72		ug/L		94	70 - 130	3	20
1,2,3-Trichlorobenzene	5.00	6.32		ug/L		126	70 - 130	5	20
1,2,3-Trichloropropane	5.00	5.52		ug/L		110	70 - 130	5	20
1,2,4-Trichlorobenzene	5.00	6.03		ug/L		121	70 - 130	2	20
1,2,4-Trimethylbenzene	5.00	5.17		ug/L		103	70 - 130	5	20
1,2-Dichloroethane	5.00	5.35		ug/L		107	70 - 130	3	20
1,2-Dichloropropane	5.00	4.78		ug/L		96	70 - 130	5	20
1,3,5-Trimethylbenzene	5.00	5.26		ug/L		105	70 - 130	5	20
1,3-Dichloropropane	5.00	4.93		ug/L		99	70 - 130	4	20
2,2-Dichloropropane	5.00	3.80		ug/L		76	70 - 130	7	20
2-Butanone (MEK)	50.0	53.2		ug/L		106	70 - 130	6	20
4-Methyl-2-pentanone (MIBK)	50.0	53.7		ug/L		107	70 - 130	6	20
Acetone	50.0	61.4	J	ug/L		123	70 - 130	4	20
Benzene	5.00	4.99		ug/L		100	70 - 130	6	20
Bromobenzene	5.00	5.27		ug/L		105	70 - 130	2	20
Bromochloromethane	5.00	5.16		ug/L		103	70 - 130	2	20
Bromodichloromethane	5.00	4.45		ug/L		89	70 - 130	7	20
Bromoform	5.00	4.49		ug/L		90	70 - 130	4	20
Bromomethane (Methyl Bromide)	5.00	4.96		ug/L		99	70 - 130	6	20
Carbon disulfide	5.00	4.12		ug/L		82	70 - 130	6	20
Carbon tetrachloride	5.00	4.39		ug/L		88	70 - 130	3	20
Chlorobenzene	5.00	4.81		ug/L		96	70 - 130	6	20
Chlorodibromomethane	5.00	4.48		ug/L		90	70 - 130	3	20
cis-1,3-Dichloropropene	5.00	4.49		ug/L		90	70 - 130	5	20
Dichloromethane	5.00	4.77		ug/L		95	70 - 130	2	20
Ethylbenzene	5.00	4.98		ug/L		100	70 - 130	5	20
Hexachlorobutadiene	5.00	6.36		ug/L		127	70 - 130	0	20
Isopropylbenzene	5.00	5.16		ug/L		103	70 - 130	5	20

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCSD 380-243987/4

Matrix: Water

Analysis Batch: 243987

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
m,p-Xylenes	10.0	9.90		ug/L		99	70 - 130	5	20
m-Dichlorobenzene (1,3-DCB)	5.00	5.21		ug/L		104	70 - 130	4	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.75		ug/L		95	70 - 130	10	20
Naphthalene	5.00	6.37		ug/L		127	70 - 130	5	20
n-Butylbenzene	5.00	5.98		ug/L		120	70 - 130	2	20
N-Propylbenzene	5.00	5.30		ug/L		106	70 - 130	4	20
o-Chlorotoluene	5.00	5.38		ug/L		108	70 - 130	4	20
o-Dichlorobenzene (1,2-DCB)	5.00	6.02		ug/L		120	70 - 130	1	20
o-Xylene	5.00	4.91		ug/L		98	70 - 130	4	20
p-Chlorotoluene	5.00	5.00		ug/L		100	70 - 130	8	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.18		ug/L		104	70 - 130	3	20
p-Isopropyltoluene	5.00	5.14		ug/L		103	70 - 130	3	20
sec-Butylbenzene	5.00	5.28		ug/L		106	70 - 130	5	20
Styrene	5.00	4.83		ug/L		97	70 - 130	5	20
Tert-amyl methyl ether	5.00	4.73		ug/L		95	70 - 130	5	20
1,3-Dichloropropene, Total	10.0	8.79		ug/L		88	70 - 130	6	20
Tert-butyl ethyl ether	5.00	4.63		ug/L		93	70 - 130	4	20
tert-Butylbenzene	5.00	5.30		ug/L		106	70 - 130	5	20
Tetrachloroethene (PCE)	5.00	4.86		ug/L		97	70 - 130	7	20
Toluene	5.00	4.83		ug/L		97	70 - 130	4	20
trans-1,2-Dichloroethylene	5.00	4.84		ug/L		97	70 - 130	6	20
trans-1,3-Dichloropropene	5.00	4.30		ug/L		86	70 - 130	7	20
Trichloroethylene (TCE)	5.00	4.84		ug/L		97	70 - 130	4	20
Bromoethane	5.00	4.74		ug/L		95	70 - 130	7	20
Trichlorofluoromethane (Freon 11)	5.00	4.84		ug/L		97	70 - 130	5	20
Trichlorotrifluoroethane	5.00	5.12		ug/L		102	70 - 130	5	20
Diisopropyl ether	5.00	4.55		ug/L		91	70 - 130	4	20
Vinyl Chloride (VC)	5.00	5.17		ug/L		103	70 - 130	4	20
Xylenes, Total	15.0	14.8		ug/L		99	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MRL 380-243987/27

Matrix: Water

Analysis Batch: 243987

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	0.610		ug/L		122	50 - 150
Vinyl Chloride (VC)	0.250	0.301		ug/L		120	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	108		70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MRL 380-243987/28

Matrix: Water

Analysis Batch: 243987

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	0.582		ug/L		116	50 - 150
1,1,1-Trichloroethane	0.500	0.516		ug/L		103	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.622		ug/L		124	50 - 150
1,1,2-Trichloroethane	0.500	0.611		ug/L		122	50 - 150
1,1-Dichloroethane	0.500	0.575		ug/L		115	50 - 150
1,1-Dichloroethylene	0.500	0.559		ug/L		112	50 - 150
1,1-Dichloropropene	0.500	0.574		ug/L		115	50 - 150
1,2,3-Trichlorobenzene	0.500	0.582		ug/L		116	50 - 150
1,2,3-Trichloropropane	0.500	0.679		ug/L		136	50 - 150
1,2,4-Trichlorobenzene	0.500	0.571		ug/L		114	50 - 150
1,2,4-Trimethylbenzene	0.500	0.616		ug/L		123	50 - 150
1,2-Dichloroethane	0.500	0.618		ug/L		124	50 - 150
1,2-Dichloropropane	0.500	0.573		ug/L		115	50 - 150
1,3,5-Trimethylbenzene	0.500	0.593		ug/L		119	50 - 150
1,3-Dichloropropane	0.500	0.636		ug/L		127	50 - 150
2,2-Dichloropropane	0.500	0.413	J	ug/L		83	50 - 150
2-Butanone (MEK)	5.00	6.30		ug/L		126	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	6.43		ug/L		129	50 - 150
Acetone	5.00	4.61	J	ug/L		92	50 - 150
Benzene	0.500	0.568		ug/L		114	50 - 150
Bromobenzene	0.500	0.611		ug/L		122	50 - 150
Bromochloromethane	0.500	0.624		ug/L		125	50 - 150
Bromodichloromethane	0.500	0.494	J	ug/L		99	50 - 150
Bromoform	0.500	0.476	J	ug/L		95	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.684		ug/L		137	50 - 150
Carbon disulfide	0.500	0.459	J	ug/L		92	50 - 150
Carbon tetrachloride	0.500	0.481	J	ug/L		96	50 - 150
Chlorobenzene	0.500	0.641		ug/L		128	50 - 150
Chlorodibromomethane	0.500	0.536		ug/L		107	50 - 150
cis-1,3-Dichloropropene	0.500	0.520		ug/L		104	50 - 150
Dichloromethane	0.500	0.599		ug/L		120	50 - 150
Ethylbenzene	0.500	0.614		ug/L		123	50 - 150
Hexachlorobutadiene	0.500	0.563		ug/L		113	50 - 150
Isopropylbenzene	0.500	0.574		ug/L		115	50 - 150
m,p-Xylenes	1.00	1.16		ug/L		116	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.624		ug/L		125	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.592		ug/L		118	50 - 150
Naphthalene	0.500	0.575		ug/L		115	50 - 150
n-Butylbenzene	0.500	0.511		ug/L		102	50 - 150
N-Propylbenzene	0.500	0.591		ug/L		118	50 - 150
o-Chlorotoluene	0.500	0.615		ug/L		123	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.546		ug/L		109	50 - 150
o-Xylene	0.500	0.600		ug/L		120	50 - 150
p-Chlorotoluene	0.500	0.568		ug/L		114	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.660		ug/L		132	50 - 150
p-Isopropyltoluene	0.500	0.608		ug/L		122	50 - 150
sec-Butylbenzene	0.500	0.588		ug/L		118	50 - 150
Styrene	0.500	0.644		ug/L		129	50 - 150

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MRL 380-243987/28

Matrix: Water

Analysis Batch: 243987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Tert-amyl methyl ether	0.500	0.564	J	ug/L		113	50 - 150
1,3-Dichloropropene, Total	1.00	1.05		ug/L		105	50 - 150
Tert-butyl ethyl ether	0.500	0.567	J	ug/L		113	50 - 150
tert-Butylbenzene	0.500	0.599		ug/L		120	50 - 150
Tetrachloroethene (PCE)	0.500	0.563		ug/L		113	50 - 150
Toluene	0.500	0.592		ug/L		118	50 - 150
trans-1,2-Dichloroethylene	0.500	0.522		ug/L		104	50 - 150
trans-1,3-Dichloropropene	0.500	0.525		ug/L		105	50 - 150
Trichloroethylene (TCE)	0.500	0.564		ug/L		113	50 - 150
Bromoethane	0.500	0.509		ug/L		102	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.577		ug/L		115	50 - 150
Trichlorotrifluoroethane	0.500	0.555		ug/L		111	50 - 150
Diisopropyl ether	0.500	0.577	J	ug/L		115	50 - 150
Vinyl Chloride (VC)	0.500	0.657		ug/L		131	50 - 150
Xylenes, Total	1.50	1.76		ug/L		117	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MB 380-244305/15

Matrix: Water

Analysis Batch: 244305

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			08/04/26 17:27	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			08/04/26 17:27	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			08/04/26 17:27	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			08/04/26 17:27	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			08/04/26 17:27	1
1,1-Dichloroethane	<0.50		0.50	ug/L			08/04/26 17:27	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			08/04/26 17:27	1
1,1-Dichloropropene	<0.50		0.50	ug/L			08/04/26 17:27	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			08/04/26 17:27	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
1,2-Dichloroethane	<0.50		0.50	ug/L			08/04/26 17:27	1
1,2-Dichloropropane	<0.50		0.50	ug/L			08/04/26 17:27	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
1,3-Dichloropropane	<0.50		0.50	ug/L			08/04/26 17:27	1
2,2-Dichloropropane	<0.50		0.50	ug/L			08/04/26 17:27	1
2-Butanone (MEK)	<5.0		5.0	ug/L			08/04/26 17:27	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			08/04/26 17:27	1
Acetone	<500		500	ug/L			08/04/26 17:27	1
Benzene	<0.50		0.50	ug/L			08/04/26 17:27	1
Bromobenzene	<0.50		0.50	ug/L			08/04/26 17:27	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 380-244305/15

Matrix: Water

Analysis Batch: 244305

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Bromodichloromethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Bromoform	<0.50		0.50	ug/L			08/04/26 17:27	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			08/04/26 17:27	1
Carbon disulfide	<0.50		0.50	ug/L			08/04/26 17:27	1
Carbon tetrachloride	<0.50		0.50	ug/L			08/04/26 17:27	1
Chlorobenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
Chlorodibromomethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Chloroethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			08/04/26 17:27	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/04/26 17:27	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			08/04/26 17:27	1
Dibromomethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Dichloromethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Ethylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
Hexachlorobutadiene	<0.50		0.50	ug/L			08/04/26 17:27	1
Isopropylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
m,p-Xylenes	<0.50		0.50	ug/L			08/04/26 17:27	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			08/04/26 17:27	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			08/04/26 17:27	1
Naphthalene	<0.50		0.50	ug/L			08/04/26 17:27	1
n-Butylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
N-Propylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
o-Chlorotoluene	<0.50		0.50	ug/L			08/04/26 17:27	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			08/04/26 17:27	1
o-Xylene	<0.50		0.50	ug/L			08/04/26 17:27	1
p-Chlorotoluene	<0.50		0.50	ug/L			08/04/26 17:27	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			08/04/26 17:27	1
p-Isopropyltoluene	<0.50		0.50	ug/L			08/04/26 17:27	1
sec-Butylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
Styrene	<0.50		0.50	ug/L			08/04/26 17:27	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			08/04/26 17:27	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			08/04/26 17:27	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			08/04/26 17:27	1
tert-Butylbenzene	<0.50		0.50	ug/L			08/04/26 17:27	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			08/04/26 17:27	1
Toluene	<0.50		0.50	ug/L			08/04/26 17:27	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			08/04/26 17:27	1
trans-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			08/04/26 17:27	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			08/04/26 17:27	1
Bromoethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			08/04/26 17:27	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			08/04/26 17:27	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			08/04/26 17:27	1
Diisopropyl ether	<3.0		3.0	ug/L			08/04/26 17:27	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			08/04/26 17:27	1
Xylenes, Total	<0.50		0.50	ug/L			08/04/26 17:27	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 380-244305/15

Matrix: Water

Analysis Batch: 244305

Client Sample ID: Method Blank

Prep Type: Total/NA

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</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>	<i>None</i>		ug/L			N/A		08/04/26 17:27	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	104		70 - 130					08/04/26 17:27	1
4-Bromofluorobenzene (Surr)	105		70 - 130					08/04/26 17:27	1
Toluene-d8 (Surr)	91		70 - 130					08/04/26 17:27	1

Lab Sample ID: LCS 380-244305/11

Matrix: Water

Analysis Batch: 244305

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	4.74		ug/L		95	70 - 130
1,1,1-Trichloroethane	5.00	4.70		ug/L		94	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.54		ug/L		111	70 - 130
1,1,2-Trichloroethane	5.00	5.14		ug/L		103	70 - 130
1,1-Dichloroethane	5.00	4.95		ug/L		99	70 - 130
1,1-Dichlorethylene	5.00	4.90		ug/L		98	70 - 130
1,1-Dichloropropene	5.00	5.12		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	5.00	5.30		ug/L		106	70 - 130
1,2,3-Trichloropropane	5.00	5.33		ug/L		107	70 - 130
1,2,4-Trichlorobenzene	5.00	4.91		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	5.00	4.94		ug/L		99	70 - 130
1,2-Dichloroethane	5.00	5.16		ug/L		103	70 - 130
1,2-Dichloropropane	5.00	4.97		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	5.00	5.10		ug/L		102	70 - 130
1,3-Dichloropropane	5.00	4.99		ug/L		100	70 - 130
2,2-Dichloropropane	5.00	4.83		ug/L		97	70 - 130
2-Butanone (MEK)	50.0	53.4		ug/L		107	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	49.9		ug/L		100	70 - 130
Acetone	50.0	53.7	J	ug/L		107	70 - 130
Benzene	5.00	4.93		ug/L		99	70 - 130
Bromobenzene	5.00	5.17		ug/L		103	70 - 130
Bromochloromethane	5.00	5.12		ug/L		102	70 - 130
Bromodichloromethane	5.00	4.63		ug/L		93	70 - 130
Bromoform	5.00	4.66		ug/L		93	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.43		ug/L		109	70 - 130
Carbon disulfide	5.00	5.57		ug/L		111	70 - 130
Carbon tetrachloride	5.00	4.60		ug/L		92	70 - 130
Chlorobenzene	5.00	4.83		ug/L		97	70 - 130
Chlorodibromomethane	5.00	4.65		ug/L		93	70 - 130
cis-1,3-Dichloropropene	5.00	4.38		ug/L		88	70 - 130
Dichloromethane	5.00	5.12		ug/L		102	70 - 130
Ethylbenzene	5.00	4.59		ug/L		92	70 - 130
Hexachlorobutadiene	5.00	5.57		ug/L		111	70 - 130
Isopropylbenzene	5.00	4.83		ug/L		97	70 - 130
m,p-Xylenes	10.0	9.35		ug/L		93	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.03		ug/L		101	70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-244305/11

Matrix: Water

Analysis Batch: 244305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl-tert-butyl Ether (MTBE)	5.00	5.30		ug/L		106	70 - 130
Naphthalene	5.00	4.82		ug/L		96	70 - 130
n-Butylbenzene	5.00	4.91		ug/L		98	70 - 130
N-Propylbenzene	5.00	4.95		ug/L		99	70 - 130
o-Chlorotoluene	5.00	4.95		ug/L		99	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.21		ug/L		104	70 - 130
o-Xylene	5.00	4.69		ug/L		94	70 - 130
p-Chlorotoluene	5.00	5.04		ug/L		101	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.13		ug/L		103	70 - 130
p-Isopropyltoluene	5.00	4.82		ug/L		96	70 - 130
sec-Butylbenzene	5.00	4.89		ug/L		98	70 - 130
Styrene	5.00	4.69		ug/L		94	70 - 130
Tert-amyl methyl ether	5.00	5.50		ug/L		110	70 - 130
1,3-Dichloropropene, Total	10.0	8.48		ug/L		85	70 - 130
Tert-butyl ethyl ether	5.00	5.65		ug/L		113	70 - 130
tert-Butylbenzene	5.00	4.96		ug/L		99	70 - 130
Tetrachloroethene (PCE)	5.00	4.90		ug/L		98	70 - 130
Toluene	5.00	4.80		ug/L		96	70 - 130
trans-1,2-Dichloroethylene	5.00	5.13		ug/L		103	70 - 130
trans-1,3-Dichloropropene	5.00	4.10	^3+	ug/L		82	70 - 130
Trichloroethylene (TCE)	5.00	4.86		ug/L		97	70 - 130
Bromoethane	5.00	5.20		ug/L		104	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.71		ug/L		94	70 - 130
Trichlorotrifluoroethane	5.00	5.27		ug/L		105	70 - 130
Diisopropyl ether	5.00	5.16		ug/L		103	70 - 130
Vinyl Chloride (VC)	5.00	5.53		ug/L		111	70 - 130
Xylenes, Total	15.0	14.0		ug/L		94	70 - 130

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

Lab Sample ID: LCSD 380-244305/12

Matrix: Water

Analysis Batch: 244305

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.69		ug/L		94	70 - 130	1	20
1,1,1-Trichloroethane	5.00	4.47		ug/L		89	70 - 130	5	20
1,1,2,2-Tetrachloroethane	5.00	5.17		ug/L		103	70 - 130	7	20
1,1,2-Trichloroethane	5.00	4.85		ug/L		97	70 - 130	6	20
1,1-Dichloroethane	5.00	4.70		ug/L		94	70 - 130	5	20
1,1-Dichloroethylene	5.00	4.71		ug/L		94	70 - 130	4	20
1,1-Dichloropropene	5.00	4.78		ug/L		96	70 - 130	7	20
1,2,3-Trichlorobenzene	5.00	4.81		ug/L		96	70 - 130	10	20
1,2,3-Trichloropropane	5.00	5.02		ug/L		100	70 - 130	6	20
1,2,4-Trichlorobenzene	5.00	4.58		ug/L		92	70 - 130	7	20

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCSD 380-244305/12

Matrix: Water

Analysis Batch: 244305

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	4.54		ug/L		91	70 - 130	8	20
1,2-Dichloroethane	5.00	4.91		ug/L		98	70 - 130	5	20
1,2-Dichloropropane	5.00	4.67		ug/L		93	70 - 130	6	20
1,3,5-Trimethylbenzene	5.00	4.63		ug/L		93	70 - 130	10	20
1,3-Dichloropropane	5.00	4.70		ug/L		94	70 - 130	6	20
2,2-Dichloropropane	5.00	4.50		ug/L		90	70 - 130	7	20
2-Butanone (MEK)	50.0	50.5		ug/L		101	70 - 130	5	20
4-Methyl-2-pentanone (MIBK)	50.0	47.8		ug/L		96	70 - 130	4	20
Acetone	50.0	51.9	J	ug/L		104	70 - 130	3	20
Benzene	5.00	4.62		ug/L		92	70 - 130	7	20
Bromobenzene	5.00	4.73		ug/L		95	70 - 130	9	20
Bromochloromethane	5.00	4.85		ug/L		97	70 - 130	5	20
Bromodichloromethane	5.00	4.39		ug/L		88	70 - 130	5	20
Bromoform	5.00	4.35		ug/L		87	70 - 130	7	20
Bromomethane (Methyl Bromide)	5.00	4.75		ug/L		95	70 - 130	13	20
Carbon disulfide	5.00	5.17		ug/L		103	70 - 130	8	20
Carbon tetrachloride	5.00	4.37		ug/L		87	70 - 130	5	20
Chlorobenzene	5.00	4.56		ug/L		91	70 - 130	6	20
Chlorodibromomethane	5.00	4.39		ug/L		88	70 - 130	6	20
cis-1,3-Dichloropropene	5.00	4.12		ug/L		82	70 - 130	6	20
Dichloromethane	5.00	4.92		ug/L		98	70 - 130	4	20
Ethylbenzene	5.00	4.32		ug/L		86	70 - 130	6	20
Hexachlorobutadiene	5.00	4.95		ug/L		99	70 - 130	12	20
Isopropylbenzene	5.00	4.46		ug/L		89	70 - 130	8	20
m,p-Xylenes	10.0	8.72		ug/L		87	70 - 130	7	20
m-Dichlorobenzene (1,3-DCB)	5.00	4.64		ug/L		93	70 - 130	8	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.97		ug/L		99	70 - 130	6	20
Naphthalene	5.00	4.53		ug/L		91	70 - 130	6	20
n-Butylbenzene	5.00	4.46		ug/L		89	70 - 130	10	20
N-Propylbenzene	5.00	4.53		ug/L		91	70 - 130	9	20
o-Chlorotoluene	5.00	4.64		ug/L		93	70 - 130	7	20
o-Dichlorobenzene (1,2-DCB)	5.00	4.87		ug/L		97	70 - 130	7	20
o-Xylene	5.00	4.44		ug/L		89	70 - 130	5	20
p-Chlorotoluene	5.00	4.59		ug/L		92	70 - 130	9	20
p-Dichlorobenzene (1,4-DCB)	5.00	4.73		ug/L		95	70 - 130	8	20
p-Isopropyltoluene	5.00	4.37		ug/L		87	70 - 130	10	20
sec-Butylbenzene	5.00	4.44		ug/L		89	70 - 130	10	20
Styrene	5.00	4.39		ug/L		88	70 - 130	6	20
Tert-amyl methyl ether	5.00	5.20		ug/L		104	70 - 130	6	20
1,3-Dichloropropene, Total	10.0	8.00		ug/L		80	70 - 130	6	20
Tert-butyl ethyl ether	5.00	5.43		ug/L		109	70 - 130	4	20
tert-Butylbenzene	5.00	4.48		ug/L		90	70 - 130	10	20
Tetrachloroethene (PCE)	5.00	4.58		ug/L		92	70 - 130	7	20
Toluene	5.00	4.53		ug/L		91	70 - 130	6	20
trans-1,2-Dichloroethylene	5.00	4.83		ug/L		97	70 - 130	6	20
trans-1,3-Dichloropropene	5.00	3.88	^3+	ug/L		78	70 - 130	6	20
Trichloroethylene (TCE)	5.00	4.45		ug/L		89	70 - 130	9	20
Bromoethane	5.00	4.92		ug/L		98	70 - 130	6	20

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCSD 380-244305/12

Matrix: Water

Analysis Batch: 244305

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	4.37		ug/L		87	70 - 130	8	20
Trichlorotrifluoroethane	5.00	4.90		ug/L		98	70 - 130	7	20
Diisopropyl ether	5.00	4.77		ug/L		95	70 - 130	8	20
Vinyl Chloride (VC)	5.00	5.15		ug/L		103	70 - 130	7	20
Xylenes, Total	15.0	13.2		ug/L		88	70 - 130	6	20

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

Lab Sample ID: MRL 380-244305/13

Matrix: Water

Analysis Batch: 244305

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	0.633		ug/L		127	50 - 150
Vinyl Chloride (VC)	0.250	0.218	J	ug/L		87	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Lab Sample ID: MRL 380-244305/14

Matrix: Water

Analysis Batch: 244305

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	0.578		ug/L		116	50 - 150
1,1,1-Trichloroethane	0.500	0.554		ug/L		111	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.569		ug/L		114	50 - 150
1,1,2-Trichloroethane	0.500	0.542		ug/L		108	50 - 150
1,1-Dichloroethane	0.500	0.529		ug/L		106	50 - 150
1,1-Dichloroethylene	0.500	0.532		ug/L		106	50 - 150
1,1-Dichloropropene	0.500	0.531		ug/L		106	50 - 150
1,2,3-Trichlorobenzene	0.500	0.584		ug/L		117	50 - 150
1,2,3-Trichloropropane	0.500	0.581		ug/L		116	50 - 150
1,2,4-Trichlorobenzene	0.500	0.559		ug/L		112	50 - 150
1,2,4-Trimethylbenzene	0.500	0.519		ug/L		104	50 - 150
1,2-Dichloroethane	0.500	0.554		ug/L		111	50 - 150
1,2-Dichloropropane	0.500	0.539		ug/L		108	50 - 150
1,3,5-Trimethylbenzene	0.500	0.509		ug/L		102	50 - 150
1,3-Dichloropropane	0.500	0.552		ug/L		110	50 - 150
2,2-Dichloropropane	0.500	0.557		ug/L		111	50 - 150
2-Butanone (MEK)	5.00	5.51		ug/L		110	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	5.30		ug/L		106	50 - 150

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MRL 380-244305/14

Matrix: Water

Analysis Batch: 244305

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	5.50	J	ug/L		110	50 - 150
Benzene	0.500	0.552		ug/L		110	50 - 150
Bromobenzene	0.500	0.540		ug/L		108	50 - 150
Bromochloromethane	0.500	0.545		ug/L		109	50 - 150
Bromodichloromethane	0.500	0.540		ug/L		108	50 - 150
Bromoform	0.500	0.552		ug/L		110	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.317	J	ug/L		63	50 - 150
Carbon disulfide	0.500	0.619		ug/L		124	50 - 150
Carbon tetrachloride	0.500	0.545		ug/L		109	50 - 150
Chlorobenzene	0.500	0.540		ug/L		108	50 - 150
Chlorodibromomethane	0.500	0.563		ug/L		113	50 - 150
cis-1,3-Dichloropropene	0.500	0.533		ug/L		107	50 - 150
Dichloromethane	0.500	0.518		ug/L		104	50 - 150
Ethylbenzene	0.500	0.519		ug/L		104	50 - 150
Hexachlorobutadiene	0.500	0.602		ug/L		120	50 - 150
Isopropylbenzene	0.500	0.515		ug/L		103	50 - 150
m,p-Xylenes	1.00	1.05		ug/L		105	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.550		ug/L		110	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.548		ug/L		110	50 - 150
Naphthalene	0.500	0.558		ug/L		112	50 - 150
n-Butylbenzene	0.500	0.528		ug/L		106	50 - 150
N-Propylbenzene	0.500	0.490	J	ug/L		98	50 - 150
o-Chlorotoluene	0.500	0.511		ug/L		102	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.557		ug/L		111	50 - 150
o-Xylene	0.500	0.525		ug/L		105	50 - 150
p-Chlorotoluene	0.500	0.523		ug/L		105	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.543		ug/L		109	50 - 150
p-Isopropyltoluene	0.500	0.523		ug/L		105	50 - 150
sec-Butylbenzene	0.500	0.534		ug/L		107	50 - 150
Styrene	0.500	0.520		ug/L		104	50 - 150
Tert-amyl methyl ether	0.500	0.569	J	ug/L		114	50 - 150
1,3-Dichloropropene, Total	1.00	1.32		ug/L		132	50 - 150
Tert-butyl ethyl ether	0.500	0.555	J	ug/L		111	50 - 150
tert-Butylbenzene	0.500	0.528		ug/L		106	50 - 150
Tetrachloroethene (PCE)	0.500	0.549		ug/L		110	50 - 150
Toluene	0.500	0.535		ug/L		107	50 - 150
trans-1,2-Dichloroethylene	0.500	0.531		ug/L		106	50 - 150
trans-1,3-Dichloropropene	0.500	0.784	^3+	ug/L		157	50 - 150
Trichloroethylene (TCE)	0.500	0.524		ug/L		105	50 - 150
Bromoethane	0.500	0.527		ug/L		105	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.553		ug/L		111	50 - 150
Trichlorotrifluoroethane	0.500	0.542		ug/L		108	50 - 150
Diisopropyl ether	0.500	0.523	J	ug/L		105	50 - 150
Vinyl Chloride (VC)	0.500	0.565		ug/L		113	50 - 150
Xylenes, Total	1.50	1.57		ug/L		105	50 - 150

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MRL 380-244305/14

Matrix: Water

Analysis Batch: 244305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	95		70 - 130

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

Lab Sample ID: MB 380-242654/21-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242654

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
2,4'-DDE	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
2,4'-DDT	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
4,4'-DDD	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
4,4'-DDE	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
4,4'-DDT	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Acenaphthene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Acenaphthylene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Acetochlor	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Alachlor	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
alpha-BHC	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
alpha-Chlordane	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Anthracene	<0.020		0.020	ug/L		07/27/26 11:41	07/28/26 11:16	1
Atrazine	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Benz(a)anthracene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Benzo[a]pyrene	<0.020		0.020	ug/L		07/27/26 11:41	07/28/26 11:16	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		07/27/26 11:41	07/28/26 11:16	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		07/27/26 11:41	07/28/26 11:16	1
beta-BHC	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		07/27/26 11:41	07/28/26 11:16	1
Aldrin	<0.0099		0.0099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Bromacil	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Butachlor	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Butylbenzylphthalate	<0.50		0.50	ug/L		07/27/26 11:41	07/28/26 11:16	1
Chlorobenzilate	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Chloroneb	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Chlorpyrifos	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Chrysene	<0.020		0.020	ug/L		07/27/26 11:41	07/28/26 11:16	1
delta-BHC	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		07/27/26 11:41	07/28/26 11:16	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Dieldrin	<0.0099		0.0099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Diethylphthalate	<0.50		0.50	ug/L		07/27/26 11:41	07/28/26 11:16	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 380-242654/21-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242654

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethylphthalate	<0.50		0.50	ug/L		07/27/26 11:41	07/28/26 11:16	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		07/27/26 11:41	07/28/26 11:16	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Endosulfan sulfate	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Endrin	<0.0099		0.0099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Endrin aldehyde	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
EPTC	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Fluoranthene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Fluorene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
gamma-BHC (Lindane)	<0.0099		0.0099	ug/L		07/27/26 11:41	07/28/26 11:16	1
gamma-Chlordane	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Heptachlor	<0.0099		0.0099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Hexachlorobenzene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Isophorone	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Malathion	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Methoxychlor	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Metolachlor	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Molinate	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Naphthalene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Parathion	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Phenanthrene	<0.040		0.040	ug/L		07/27/26 11:41	07/28/26 11:16	1
Propachlor	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Pyrene	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Simazine	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Terbacil	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Terbutylazine	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Thiobencarb	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		07/27/26 11:41	07/28/26 11:16	1
trans-Nonachlor	<0.050		0.050	ug/L		07/27/26 11:41	07/28/26 11:16	1
Trifluralin	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
1-Methylnaphthalene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1
2-Methylnaphthalene	<0.099		0.099	ug/L		07/27/26 11:41	07/28/26 11:16	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Undecane	6.27	T J N	ug/L		3.22	1120-21-4	07/27/26 11:41	07/28/26 11:16	1
Phthalic acid, isobutyl 2-methylpent-3-yl ester	0.662	T J N	ug/L		6.05	1000356-90-7	07/27/26 11:41	07/28/26 11:16	1
9-Octadecenamide, (Z)-	1.53	T J N	ug/L		8.03	301-02-0	07/27/26 11:41	07/28/26 11:16	1
13-Docosenamide, (Z)-	1.53	T J N	ug/L		10.60	112-84-5	07/27/26 11:41	07/28/26 11:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	100		70 - 130	07/27/26 11:41	07/28/26 11:16	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 380-242654/21-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242654

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Perylene-d12	91		70 - 130	07/27/26 11:41	07/28/26 11:16	1
Triphenylphosphate	112		70 - 130	07/27/26 11:41	07/28/26 11:16	1

Lab Sample ID: LCS 380-242654/23-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	1.98	2.15		ug/L		109	70 - 130
2,4'-DDE	1.98	2.23		ug/L		113	70 - 130
2,4'-DDT	1.98	2.24		ug/L		113	70 - 130
2,4-Dinitrotoluene	1.98	2.36		ug/L		119	70 - 130
2,6-Dinitrotoluene	1.98	2.29		ug/L		116	70 - 130
4,4'-DDD	1.98	2.15		ug/L		108	70 - 130
4,4'-DDE	1.98	2.11		ug/L		107	70 - 130
4,4'-DDT	1.98	2.31		ug/L		117	70 - 130
Acenaphthene	1.98	1.97		ug/L		99	70 - 130
Acenaphthylene	1.98	1.61		ug/L		81	70 - 130
Acetochlor	1.98	2.21		ug/L		112	70 - 130
Alachlor	1.98	2.22		ug/L		112	70 - 130
alpha-BHC	1.98	2.12		ug/L		107	70 - 130
alpha-Chlordane	1.98	2.17		ug/L		110	70 - 130
Anthracene	1.98	1.81		ug/L		91	70 - 130
Atrazine	1.98	2.18		ug/L		110	70 - 130
Benz(a)anthracene	1.98	2.05		ug/L		104	70 - 130
Benzo[a]pyrene	1.98	1.89		ug/L		96	70 - 130
Benzo[b]fluoranthene	1.98	1.99		ug/L		101	70 - 130
Benzo[g,h,i]perylene	1.98	1.96		ug/L		99	70 - 130
Benzo[k]fluoranthene	1.98	2.06		ug/L		104	70 - 130
beta-BHC	1.98	2.24		ug/L		113	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	1.93		ug/L		98	70 - 130
Aldrin	1.98	1.65		ug/L		84	70 - 130
Bromacil	1.98	2.16		ug/L		109	70 - 130
Butachlor	1.98	2.32		ug/L		117	70 - 130
Butylbenzylphthalate	1.98	2.31		ug/L		117	70 - 130
Chlorobenzilate	1.98	2.30		ug/L		117	70 - 130
Chloroneb	1.98	2.05		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.21		ug/L		111	70 - 130
Chlorpyrifos	1.98	2.20		ug/L		111	70 - 130
Chrysene	1.98	2.08		ug/L		105	70 - 130
delta-BHC	1.98	2.17		ug/L		110	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.20		ug/L		111	70 - 130
Dibenz(a,h)anthracene	1.98	1.95		ug/L		98	70 - 130
Diclorvos (DDVP)	1.98	1.96		ug/L		99	70 - 130
Dieldrin	1.98	2.13		ug/L		108	70 - 130
Diethylphthalate	1.98	2.17		ug/L		110	70 - 130
Dimethylphthalate	1.98	2.08		ug/L		105	70 - 130
Di-n-butyl phthalate	3.96	4.78		ug/L		121	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-242654/23-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-octyl phthalate	1.98	1.88		ug/L		95	70 - 130
Endosulfan I (Alpha)	1.98	2.12		ug/L		107	70 - 130
Endosulfan II (Beta)	1.98	2.15		ug/L		109	70 - 130
Endosulfan sulfate	1.98	2.17		ug/L		110	70 - 130
Endrin	1.98	2.37		ug/L		120	70 - 130
Endrin aldehyde	1.98	2.31		ug/L		117	60 - 130
EPTC	1.98	2.09		ug/L		106	70 - 130
Fluoranthene	1.98	2.12		ug/L		107	70 - 130
Fluorene	1.98	2.07		ug/L		105	70 - 130
gamma-BHC (Lindane)	1.98	2.19		ug/L		111	70 - 130
gamma-Chlordane	1.98	2.16		ug/L		109	70 - 130
Heptachlor	1.98	2.23		ug/L		113	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.15		ug/L		108	70 - 130
Hexachlorobenzene	1.98	2.07		ug/L		105	70 - 130
Hexachlorocyclopentadiene	1.98	2.04		ug/L		103	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	1.95		ug/L		98	70 - 130
Isophorone	1.98	2.01		ug/L		102	70 - 130
Malathion	1.98	2.24		ug/L		113	70 - 130
Methoxychlor	1.98	2.33		ug/L		118	70 - 130
Metolachlor	1.98	2.20		ug/L		111	70 - 130
Molinate	1.98	2.10		ug/L		106	70 - 130
Naphthalene	1.98	1.98		ug/L		100	70 - 130
Parathion	1.98	2.68	*+	ug/L		135	70 - 130
Pendimethalin (Penoxaline)	1.98	2.42		ug/L		122	70 - 130
Phenanthrene	1.98	1.99		ug/L		101	70 - 130
Propachlor	1.98	2.20		ug/L		111	70 - 130
Pyrene	1.98	2.18		ug/L		110	70 - 130
Simazine	1.98	2.14		ug/L		108	70 - 130
Terbacil	1.98	2.40		ug/L		122	70 - 130
Terbutylazine	1.98	2.22		ug/L		112	70 - 130
Thiobencarb	1.98	2.21		ug/L		112	70 - 130
trans-Nonachlor	1.98	2.12		ug/L		107	70 - 130
Trifluralin	1.98	2.21		ug/L		112	70 - 130
1-Methylnaphthalene	1.98	2.05		ug/L		104	70 - 130
2-Methylnaphthalene	1.98	2.01		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	112		70 - 130

Lab Sample ID: MRL 380-242654/22-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0994	0.105		ug/L		105	50 - 150
2,4'-DDE	0.0994	0.121		ug/L		122	50 - 150

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MRL 380-242654/22-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDT	0.0994	0.129		ug/L		130	50 - 150
2,4-Dinitrotoluene	0.0994	0.126		ug/L		127	50 - 150
2,6-Dinitrotoluene	0.0994	0.125		ug/L		126	50 - 150
4,4'-DDD	0.0994	0.116		ug/L		117	50 - 150
4,4'-DDE	0.0994	0.113		ug/L		113	50 - 150
4,4'-DDT	0.0994	0.122		ug/L		123	50 - 150
Acenaphthene	0.0994	0.102		ug/L		103	50 - 150
Acenaphthylene	0.0994	0.0804	J	ug/L		81	50 - 150
Acetochlor	0.0994	0.125		ug/L		125	50 - 150
Alachlor	0.0497	0.0646		ug/L		130	50 - 150
alpha-BHC	0.0994	0.117		ug/L		117	50 - 150
alpha-Chlordane	0.0249	0.0298	J	ug/L		120	50 - 150
Anthracene	0.0199	0.0237		ug/L		119	50 - 150
Atrazine	0.0497	0.0652		ug/L		131	50 - 150
Benz(a)anthracene	0.0497	0.0549		ug/L		111	50 - 150
Benzo[a]pyrene	0.0199	0.0221		ug/L		111	50 - 150
Benzo[b]fluoranthene	0.0199	0.0230		ug/L		116	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0485	J	ug/L		98	50 - 150
Benzo[k]fluoranthene	0.0199	0.0255		ug/L		129	50 - 150
beta-BHC	0.0994	0.126		ug/L		127	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.689		ug/L		116	50 - 150
Aldrin	0.00994	<0.0099		ug/L		95	50 - 150
Bromacil	0.0994	0.133		ug/L		134	50 - 150
Butachlor	0.0497	0.0737		ug/L		148	50 - 150
Butylbenzylphthalate	0.497	0.641		ug/L		129	50 - 150
Chlorobenzilate	0.0994	0.139		ug/L		140	50 - 150
Chloroneb	0.0994	0.106		ug/L		107	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0994	0.114		ug/L		114	50 - 150
Chlorpyrifos	0.0497	0.0583		ug/L		117	50 - 150
Chrysene	0.0199	0.0239		ug/L		120	50 - 150
delta-BHC	0.0994	0.123		ug/L		123	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.760		ug/L		127	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0472	J	ug/L		95	50 - 150
Diclorvos (DDVP)	0.0497	0.0554		ug/L		112	50 - 150
Dieldrin	0.00994	0.0115		ug/L		115	50 - 150
Diethylphthalate	0.497	0.623		ug/L		125	50 - 150
Dimethylphthalate	0.497	0.575		ug/L		116	50 - 150
Di-n-butyl phthalate	0.497	0.811	J	ug/L		163	49 - 243
Di-n-octyl phthalate	0.0994	0.115		ug/L		116	50 - 150
Endosulfan I (Alpha)	0.0994	0.115		ug/L		115	50 - 150
Endosulfan II (Beta)	0.0994	0.141		ug/L		142	50 - 150
Endosulfan sulfate	0.0994	0.127		ug/L		128	50 - 150
Endrin	0.00994	0.0144		ug/L		145	50 - 150
Endrin aldehyde	0.0994	0.135		ug/L		136	50 - 150
EPTC	0.0994	0.108		ug/L		109	50 - 150
Fluoranthene	0.0994	0.115		ug/L		116	50 - 150
Fluorene	0.0497	0.0560		ug/L		113	50 - 150
gamma-BHC (Lindane)	0.00994	0.0106		ug/L		106	50 - 150
gamma-Chlordane	0.0249	0.0305	J	ug/L		123	50 - 150

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MRL 380-242654/22-A

Matrix: Water

Analysis Batch: 242880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor	0.00994	0.0141		ug/L		142	50 - 150
Heptachlor epoxide (isomer B)	0.00994	0.0133		ug/L		134	50 - 150
Hexachlorobenzene	0.0497	0.0556		ug/L		112	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0502		ug/L		101	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0467	J	ug/L		94	50 - 150
Isophorone	0.0994	0.106		ug/L		107	50 - 150
Malathion	0.0994	0.116		ug/L		116	50 - 150
Methoxychlor	0.0497	0.0692		ug/L		139	50 - 150
Metolachlor	0.0497	0.0652		ug/L		131	50 - 150
Molinate	0.0994	0.121		ug/L		122	50 - 150
Naphthalene	0.0994	0.130		ug/L		130	50 - 150
Parathion	0.0994	0.131		ug/L		131	50 - 150
Pendimethalin (Penoxaline)	0.0994	0.130		ug/L		131	50 - 150
Phenanthrene	0.0398	0.0453		ug/L		114	50 - 150
Propachlor	0.0497	0.0600		ug/L		121	50 - 150
Pyrene	0.0497	0.0584		ug/L		117	50 - 150
Simazine	0.0497	0.0616		ug/L		124	50 - 150
Terbacil	0.0994	0.135		ug/L		136	50 - 150
Terbutylazine	0.0994	0.122		ug/L		123	50 - 150
Thiobencarb	0.0994	0.127		ug/L		128	50 - 150
trans-Nonachlor	0.0249	0.0319	J	ug/L		128	50 - 150
Trifluralin	0.0994	0.116		ug/L		116	50 - 150
1-Methylnaphthalene	0.0994	0.103		ug/L		104	50 - 150
2-Methylnaphthalene	0.0994	0.103		ug/L		104	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	102		70 - 130
Perylene-d12	92		70 - 130
Triphenylphosphate	112		70 - 130

Lab Sample ID: 380-226421-1 MS

Matrix: Drinking Water

Analysis Batch: 242880

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.097		1.94	2.10		ug/L		108	70 - 130
2,4'-DDE	<0.097		1.94	2.10		ug/L		108	70 - 130
2,4'-DDT	<0.097		1.94	2.11		ug/L		109	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	2.29		ug/L		118	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	2.16		ug/L		112	70 - 130
4,4'-DDD	<0.097		1.94	2.10		ug/L		108	70 - 130
4,4'-DDE	<0.097		1.94	1.98		ug/L		102	70 - 130
4,4'-DDT	<0.097		1.94	2.17		ug/L		112	70 - 130
Acenaphthene	<0.097		1.94	1.95		ug/L		100	70 - 130
Acenaphthylene	<0.097		1.94	1.67		ug/L		86	70 - 130
Acetochlor	<0.097		1.94	2.20		ug/L		113	70 - 130
Alachlor	<0.048		1.94	2.16		ug/L		111	70 - 130
alpha-BHC	<0.097		1.94	2.09		ug/L		108	70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-226421-1 MS

Matrix: Drinking Water

Analysis Batch: 242880

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-Chlordane	<0.048		1.94	2.12		ug/L		108	70 - 130
Anthracene	<0.019	F1	1.94	1.35		ug/L		70	70 - 130
Atrazine	<0.048		1.94	2.15		ug/L		111	70 - 130
Benz(a)anthracene	<0.048		1.94	1.91		ug/L		98	70 - 130
Benzo[a]pyrene	<0.019		1.94	1.68		ug/L		87	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	2.01		ug/L		103	70 - 130
Benzo[g,h,i]perylene	<0.048		1.94	1.90		ug/L		98	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	1.99		ug/L		103	70 - 130
beta-BHC	<0.097		1.94	2.21		ug/L		114	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.74		ug/L		90	70 - 130
Aldrin	<0.0097		1.94	1.68		ug/L		87	70 - 130
Bromacil	<0.097		1.94	1.99		ug/L		103	70 - 130
Butachlor	<0.048		1.94	2.32		ug/L		119	70 - 130
Butylbenzylphthalate	<0.48		1.94	2.25		ug/L		116	70 - 130
Chlorobenzilate	<0.097		1.94	2.28		ug/L		118	70 - 130
Chloroneb	<0.097		1.94	2.01		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.19		ug/L		113	70 - 130
Chlorpyrifos	<0.048		1.94	2.17		ug/L		112	70 - 130
Chrysene	<0.019		1.94	2.08		ug/L		107	70 - 130
delta-BHC	<0.097		1.94	2.13		ug/L		110	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	1.95		ug/L		101	70 - 130
Dibenz(a,h)anthracene	<0.048		1.94	1.84		ug/L		95	70 - 130
Diclorvos (DDVP)	<0.048		1.94	1.91		ug/L		98	70 - 130
Dieldrin	0.023		1.94	2.12		ug/L		108	70 - 130
Diethylphthalate	<0.48		1.94	2.15		ug/L		111	70 - 130
Dimethylphthalate	<0.48		1.94	2.05		ug/L		106	70 - 130
Di-n-butyl phthalate	<0.97		3.88	4.65		ug/L		114	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.65		ug/L		85	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	2.05		ug/L		106	70 - 130
Endosulfan II (Beta)	<0.097		1.94	2.18		ug/L		112	70 - 130
Endosulfan sulfate	<0.097		1.94	2.15		ug/L		111	70 - 130
Endrin	<0.0097		1.94	2.30		ug/L		118	70 - 130
Endrin aldehyde	<0.097		1.94	2.07		ug/L		107	60 - 130
EPTC	<0.097		1.94	2.08		ug/L		107	70 - 130
Fluoranthene	<0.097		1.94	2.10		ug/L		108	70 - 130
Fluorene	<0.048		1.94	2.06		ug/L		106	70 - 130
gamma-BHC (Lindane)	<0.0097		1.94	2.12		ug/L		109	70 - 130
gamma-Chlordane	<0.048		1.94	2.10		ug/L		108	70 - 130
Heptachlor	<0.0097		1.94	2.21		ug/L		114	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.94	2.14		ug/L		110	70 - 130
Hexachlorobenzene	<0.048		1.94	2.07		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.048		1.94	2.05		ug/L		106	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.94	1.93		ug/L		100	70 - 130
Isophorone	<0.097		1.94	1.98		ug/L		102	70 - 130
Malathion	<0.097		1.94	2.22		ug/L		114	70 - 130
Methoxychlor	<0.048		1.94	2.36		ug/L		122	70 - 130
Metolachlor	<0.048		1.94	2.18		ug/L		112	70 - 130
Molinate	<0.097		1.94	2.06		ug/L		106	70 - 130
Naphthalene	<0.097		1.94	1.96		ug/L		101	70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-226421-1 MS

Matrix: Drinking Water

Analysis Batch: 242880

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Parathion	<0.097	F1 *+	1.94	2.67	F1	ug/L		137	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	2.42		ug/L		125	70 - 130
Phenanthrene	<0.039		1.94	1.97		ug/L		102	70 - 130
Propachlor	<0.048		1.94	2.18		ug/L		112	70 - 130
Pyrene	<0.048		1.94	2.13		ug/L		110	70 - 130
Simazine	<0.048		1.94	2.02		ug/L		104	70 - 130
Terbacil	<0.097		1.94	2.23		ug/L		115	70 - 130
Terbutylazine	<0.097		1.94	2.18		ug/L		112	70 - 130
Thiobencarb	<0.097		1.94	2.17		ug/L		112	70 - 130
trans-Nonachlor	<0.048		1.94	2.04		ug/L		105	70 - 130
Trifluralin	<0.097		1.94	2.18		ug/L		113	70 - 130
1-Methylnaphthalene	<0.097		1.94	2.02		ug/L		104	70 - 130
2-Methylnaphthalene	<0.097		1.94	2.00		ug/L		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2-Nitro-m-xylene	101		70 - 130
Perylene-d12	97		70 - 130
Triphenylphosphate	111		70 - 130

Lab Sample ID: 380-226421-1 MSD

Matrix: Drinking Water

Analysis Batch: 242880

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDD	<0.097		1.95	2.09		ug/L		108	70 - 130	0	20
2,4'-DDE	<0.097		1.95	2.11		ug/L		108	70 - 130	0	20
2,4'-DDT	<0.097		1.95	2.14		ug/L		110	70 - 130	1	20
2,4-Dinitrotoluene	<0.097		1.95	2.48		ug/L		128	70 - 130	8	20
2,6-Dinitrotoluene	<0.097		1.95	2.36		ug/L		121	70 - 130	9	20
4,4'-DDD	<0.097		1.95	2.11		ug/L		108	70 - 130	1	20
4,4'-DDE	<0.097		1.95	1.98		ug/L		102	70 - 130	0	20
4,4'-DDT	<0.097		1.95	2.20		ug/L		113	70 - 130	1	20
Acenaphthene	<0.097		1.95	1.98		ug/L		102	70 - 130	2	20
Acenaphthylene	<0.097		1.95	1.71		ug/L		88	70 - 130	2	20
Acetochlor	<0.097		1.95	2.21		ug/L		114	70 - 130	1	20
Alachlor	<0.048		1.95	2.20		ug/L		113	70 - 130	2	20
alpha-BHC	<0.097		1.95	2.12		ug/L		109	70 - 130	2	20
alpha-Chlordane	<0.048		1.95	2.12		ug/L		108	70 - 130	0	20
Anthracene	<0.019	F1	1.95	1.29	F1	ug/L		66	70 - 130	5	20
Atrazine	<0.048		1.95	2.23		ug/L		115	70 - 130	4	20
Benz(a)anthracene	<0.048		1.95	1.91		ug/L		98	70 - 130	0	20
Benzo[a]pyrene	<0.019		1.95	1.65		ug/L		85	70 - 130	2	20
Benzo[b]fluoranthene	<0.019		1.95	1.97		ug/L		101	70 - 130	2	20
Benzo[g,h,i]perylene	<0.048		1.95	1.92		ug/L		99	70 - 130	1	20
Benzo[k]fluoranthene	<0.019		1.95	1.96		ug/L		100	70 - 130	2	20
beta-BHC	<0.097		1.95	2.22		ug/L		114	70 - 130	1	20
Bis(2-ethylhexyl) phthalate	<0.58		1.95	1.79		ug/L		92	70 - 130	3	20
Aldrin	<0.0097		1.95	1.70		ug/L		87	70 - 130	1	20

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-226421-1 MSD

Matrix: Drinking Water

Analysis Batch: 242880

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromacil	<0.097		1.95	2.26		ug/L		116	70 - 130	12	20
Butachlor	<0.048		1.95	2.30		ug/L		118	70 - 130	1	20
Butylbenzylphthalate	<0.48		1.95	2.25		ug/L		115	70 - 130	0	20
Chlorobenzilate	<0.097		1.95	2.30		ug/L		118	70 - 130	1	20
Chloroneb	<0.097		1.95	2.02		ug/L		104	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	<0.097		1.95	2.16		ug/L		111	70 - 130	1	20
Chlorpyrifos	<0.048		1.95	2.20		ug/L		113	70 - 130	1	20
Chrysene	<0.019		1.95	2.07		ug/L		106	70 - 130	0	20
delta-BHC	<0.097		1.95	2.11		ug/L		108	70 - 130	1	20
Di(2-ethylhexyl)adipate	<0.58		1.95	2.00		ug/L		103	70 - 130	2	20
Dibenz(a,h)anthracene	<0.048		1.95	1.89		ug/L		97	70 - 130	2	20
Diclorvos (DDVP)	<0.048		1.95	2.00		ug/L		103	70 - 130	5	20
Dieldrin	0.023		1.95	2.13		ug/L		108	70 - 130	0	20
Diethylphthalate	<0.48		1.95	2.19		ug/L		112	70 - 130	2	20
Dimethylphthalate	<0.48		1.95	2.08		ug/L		107	70 - 130	1	20
Di-n-butyl phthalate	<0.97		3.89	4.67		ug/L		114	70 - 130	0	20
Di-n-octyl phthalate	<0.097		1.95	1.73		ug/L		89	70 - 130	5	20
Endosulfan I (Alpha)	<0.097		1.95	2.07		ug/L		106	70 - 130	1	20
Endosulfan II (Beta)	<0.097		1.95	2.13		ug/L		109	70 - 130	2	20
Endosulfan sulfate	<0.097		1.95	2.10		ug/L		108	70 - 130	3	20
Endrin	<0.0097		1.95	2.34		ug/L		120	70 - 130	2	20
Endrin aldehyde	<0.097		1.95	2.06		ug/L		106	60 - 130	0	20
EPTC	<0.097		1.95	2.09		ug/L		108	70 - 130	0	20
Fluoranthene	<0.097		1.95	2.13		ug/L		110	70 - 130	2	20
Fluorene	<0.048		1.95	2.09		ug/L		108	70 - 130	2	20
gamma-BHC (Lindane)	<0.0097		1.95	2.20		ug/L		113	70 - 130	4	20
gamma-Chlordane	<0.048		1.95	2.07		ug/L		106	70 - 130	2	20
Heptachlor	<0.0097		1.95	2.17		ug/L		112	70 - 130	2	20
Heptachlor epoxide (isomer B)	<0.0097		1.95	2.14		ug/L		110	70 - 130	0	20
Hexachlorobenzene	<0.048		1.95	2.09		ug/L		107	70 - 130	1	20
Hexachlorocyclopentadiene	<0.048		1.95	2.09		ug/L		107	70 - 130	2	20
Indeno[1,2,3-cd]pyrene	<0.048		1.95	1.90		ug/L		98	70 - 130	1	20
Isophorone	<0.097		1.95	2.01		ug/L		103	70 - 130	2	20
Malathion	<0.097		1.95	2.22		ug/L		114	70 - 130	0	20
Methoxychlor	<0.048		1.95	2.37		ug/L		122	70 - 130	0	20
Metolachlor	<0.048		1.95	2.19		ug/L		112	70 - 130	0	20
Molinate	<0.097		1.95	2.09		ug/L		108	70 - 130	2	20
Naphthalene	<0.097		1.95	2.00		ug/L		103	70 - 130	2	20
Parathion	<0.097	F1 *+	1.95	2.68	F1	ug/L		138	70 - 130	0	20
Pendimethalin (Penoxaline)	<0.097		1.95	2.44		ug/L		125	70 - 130	1	20
Phenanthrene	<0.039		1.95	1.99		ug/L		102	70 - 130	1	20
Propachlor	<0.048		1.95	2.22		ug/L		114	70 - 130	2	20
Pyrene	<0.048		1.95	2.16		ug/L		111	70 - 130	1	20
Simazine	<0.048		1.95	2.17		ug/L		111	70 - 130	7	20
Terbacil	<0.097		1.95	2.49		ug/L		128	70 - 130	11	20
Terbutylazine	<0.097		1.95	2.23		ug/L		115	70 - 130	3	20
Thiobencarb	<0.097		1.95	2.17		ug/L		111	70 - 130	0	20
trans-Nonachlor	<0.048		1.95	2.07		ug/L		106	70 - 130	1	20
Trifluralin	<0.097		1.95	2.23		ug/L		115	70 - 130	2	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-226421-1 MSD

Matrix: Drinking Water

Analysis Batch: 242880

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Prep Batch: 242654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.097		1.95	2.06		ug/L		106	70 - 130	2	20
2-Methylnaphthalene	<0.097		1.95	2.03		ug/L		104	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Nitro-m-xylene	102		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	112		70 - 130

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

Lab Sample ID: MB 570-774712/1-A

Matrix: Water

Analysis Batch: 779378

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 774712

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	07/27/26 07:47	08/05/26 07:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		33 - 139	07/27/26 07:47	08/05/26 07:51	1
2-Fluorobiphenyl (Surr)	93		33 - 126	07/27/26 07:47	08/05/26 07:51	1
2-Fluorophenol (Surr)	59		12 - 120	07/27/26 07:47	08/05/26 07:51	1
Nitrobenzene-d5 (Surr)	101		36 - 120	07/27/26 07:47	08/05/26 07:51	1
Phenol-d6 (Surr)	37		10 - 120	07/27/26 07:47	08/05/26 07:51	1
p-Terphenyl-d14 (Surr)	87		47 - 131	07/27/26 07:47	08/05/26 07:51	1

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

Lab Sample ID: MB 570-774712/1-A

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 774712

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
2-Chloronaphthalene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
2-Chlorophenol	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
2-Methylphenol	<1.0		1.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
2-Nitroaniline	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
2-Nitrophenol	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
3/4-Methylphenol	<2.0		2.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
3-Nitroaniline	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 570-774712/1-A
Matrix: Water
Analysis Batch: 776356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 774712

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
4-Chloroaniline	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
4-Nitroaniline	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
4-Nitrophenol	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
Acenaphthene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Acenaphthylene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Aniline	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Anthracene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzidine	<5.0		5.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzoic acid	<10		10	ug/L		07/27/26 07:47	07/29/26 21:26	1
Benzyl alcohol	<1.0		1.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Chrysene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Dibenzofuran	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Fluoranthene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Fluorene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Hexachloroethane	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Naphthalene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Nitrobenzene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Pentachlorophenol	<1.0		1.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
Phenanthrene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1
Phenol	<1.0		1.0	ug/L		07/27/26 07:47	07/29/26 21:26	1
Pyrene	<0.20		0.20	ug/L		07/27/26 07:47	07/29/26 21:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		28 - 127	07/27/26 07:47	07/29/26 21:26	1
2-Fluorobiphenyl (Surr)	83		31 - 120	07/27/26 07:47	07/29/26 21:26	1
2-Fluorophenol (Surr)	55		17 - 120	07/27/26 07:47	07/29/26 21:26	1
Nitrobenzene-d5 (Surr)	79		27 - 120	07/27/26 07:47	07/29/26 21:26	1
Phenol-d6 (Surr)	34		10 - 120	07/27/26 07:47	07/29/26 21:26	1
p-Terphenyl-d14 (Surr)	80		45 - 120	07/27/26 07:47	07/29/26 21:26	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 570-774712/2-A

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	14.1		ug/L		71	47 - 120
2,4,5-Trichlorophenol	20.0	16.4		ug/L		82	57 - 120
2,4,6-Trichlorophenol	20.0	15.4		ug/L		77	52 - 129
2,4-Dichlorophenol	20.0	14.2		ug/L		71	53 - 122
2,4-Dinitrophenol	20.0	13.5		ug/L		68	1 - 173
2,6-Dichlorophenol	20.0	13.7		ug/L		69	50 - 120
2-Chloronaphthalene	20.0	16.0		ug/L		80	65 - 120
2-Chlorophenol	20.0	15.5		ug/L		78	36 - 120
2-Methylnaphthalene	20.0	13.0		ug/L		65	43 - 120
2-Methylphenol	20.0	15.0		ug/L		75	46 - 120
2-Nitroaniline	20.0	14.5		ug/L		72	51 - 125
2-Nitrophenol	20.0	15.6		ug/L		78	45 - 167
3/4-Methylphenol	40.0	25.3		ug/L		63	29 - 120
3-Nitroaniline	20.0	14.9		ug/L		75	62 - 129
4,6-Dinitro-2-methylphenol	20.0	17.8		ug/L		89	53 - 130
4-Bromophenyl phenyl ether	20.0	15.6		ug/L		78	65 - 120
4-Chloro-3-methylphenol	20.0	13.6		ug/L		68	41 - 128
4-Chloroaniline	20.0	12.4		ug/L		62	51 - 120
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		76	38 - 145
4-Nitroaniline	20.0	14.9		ug/L		75	64 - 129
4-Nitrophenol	20.0	6.52		ug/L		33	13 - 129
Acenaphthene	20.0	14.8		ug/L		74	60 - 132
Acenaphthylene	20.0	14.9		ug/L		75	54 - 126
Aniline	20.0	12.9		ug/L		64	52 - 121
Anthracene	20.0	14.9		ug/L		74	43 - 120
Benzidine	20.0	<1.4	*-	ug/L		3	20 - 164
Benzo[a]anthracene	20.0	15.5		ug/L		78	42 - 133
Benzo[a]pyrene	20.0	15.6		ug/L		78	32 - 148
Benzo[b]fluoranthene	20.0	15.7		ug/L		79	42 - 140
Benzo[g,h,i]perylene	20.0	15.4		ug/L		77	1 - 195
Benzo[k]fluoranthene	20.0	15.3		ug/L		77	25 - 146
Benzoic acid	20.0	6.01	J	ug/L		30	20 - 120
Benzyl alcohol	20.0	11.7		ug/L		59	44 - 122
Bis(2-chloroethoxy)methane	20.0	13.1		ug/L		66	49 - 165
Bis(2-chloroethyl)ether	20.0	14.7		ug/L		74	43 - 126
bis (2-Chloroisopropyl) ether	20.0	13.6		ug/L		68	63 - 139
Chrysene	20.0	15.3		ug/L		77	44 - 140
Dibenz(a,h)anthracene	20.0	16.2		ug/L		81	1 - 200
Dibenzofuran	20.0	15.6		ug/L		78	48 - 120
Fluoranthene	20.0	14.9		ug/L		74	43 - 121
Fluorene	20.0	14.9		ug/L		74	70 - 120
Hexachloroethane	20.0	13.6		ug/L		68	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	16.1		ug/L		80	1 - 151
Naphthalene	20.0	12.5		ug/L		62	36 - 120
Nitrobenzene	20.0	12.4		ug/L		62	54 - 158
N-Nitrosodi-n-propylamine	20.0	14.3		ug/L		71	14 - 198
N-Nitrosodiphenylamine	20.0	18.8		ug/L		94	65 - 133
Pentachlorophenol	20.0	10.0		ug/L		50	38 - 152

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 570-774712/2-A

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	20.0	14.8		ug/L		74	65 - 120
Phenol	20.0	7.16		ug/L		36	17 - 120
Pyrene	20.0	16.1		ug/L		81	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		28 - 127
2-Fluorobiphenyl (Surr)	77		31 - 120
2-Fluorophenol (Surr)	56		17 - 120
Nitrobenzene-d5 (Surr)	61		27 - 120
Phenol-d6 (Surr)	36		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

Lab Sample ID: LCSD 570-774712/3-A

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.5		ug/L		73	47 - 120	3	20
2,4,5-Trichlorophenol	20.0	16.9		ug/L		85	57 - 120	3	20
2,4,6-Trichlorophenol	20.0	16.1		ug/L		80	52 - 129	4	35
2,4-Dichlorophenol	20.0	14.7		ug/L		73	53 - 122	3	30
2,4-Dinitrophenol	20.0	15.1		ug/L		76	1 - 173	11	79
2,6-Dichlorophenol	20.0	14.2		ug/L		71	50 - 120	4	20
2-Chloronaphthalene	20.0	16.5		ug/L		82	65 - 120	3	15
2-Chlorophenol	20.0	15.9		ug/L		79	36 - 120	2	37
2-Methylnaphthalene	20.0	13.5		ug/L		68	43 - 120	4	20
2-Methylphenol	20.0	15.3		ug/L		77	46 - 120	2	20
2-Nitroaniline	20.0	14.9		ug/L		75	51 - 125	3	20
2-Nitrophenol	20.0	16.4		ug/L		82	45 - 167	5	33
3/4-Methylphenol	40.0	25.7		ug/L		64	29 - 120	2	20
3-Nitroaniline	20.0	15.7		ug/L		79	62 - 129	5	20
4,6-Dinitro-2-methylphenol	20.0	18.5		ug/L		93	53 - 130	4	122
4-Bromophenyl phenyl ether	20.0	15.6		ug/L		78	65 - 120	1	26
4-Chloro-3-methylphenol	20.0	13.8		ug/L		69	41 - 128	2	44
4-Chloroaniline	20.0	13.5		ug/L		67	51 - 120	8	20
4-Chlorophenyl phenyl ether	20.0	15.7		ug/L		79	38 - 145	3	36
4-Nitroaniline	20.0	15.7		ug/L		78	64 - 129	5	20
4-Nitrophenol	20.0	7.25		ug/L		36	13 - 129	11	79
Acenaphthene	20.0	15.1		ug/L		76	60 - 132	2	29
Acenaphthylene	20.0	15.4		ug/L		77	54 - 126	3	45
Aniline	20.0	14.0		ug/L		70	52 - 121	9	21
Anthracene	20.0	15.2		ug/L		76	43 - 120	2	40
Benzidine	20.0	<1.4	*-	ug/L		4	20 - 164	12	30
Benzo[a]anthracene	20.0	15.5		ug/L		77	42 - 133	0	32
Benzo[a]pyrene	20.0	15.7		ug/L		79	32 - 148	1	43
Benzo[b]fluoranthene	20.0	15.5		ug/L		78	42 - 140	1	43
Benzo[g,h,i]perylene	20.0	15.6		ug/L		78	1 - 195	1	61
Benzo[k]fluoranthene	20.0	15.9		ug/L		79	25 - 146	3	38

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCSD 570-774712/3-A

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzoic acid	20.0	6.82	J	ug/L		34	20 - 120	13	30
Benzyl alcohol	20.0	11.9		ug/L		59	44 - 122	2	20
Bis(2-chloroethoxy)methane	20.0	13.5		ug/L		68	49 - 165	3	32
Bis(2-chloroethyl)ether	20.0	15.1		ug/L		76	43 - 126	3	65
bis (2-Chloroisopropyl) ether	20.0	14.0		ug/L		70	63 - 139	3	46
Chrysene	20.0	15.2		ug/L		76	44 - 140	1	53
Dibenz(a,h)anthracene	20.0	16.5		ug/L		82	1 - 200	2	75
Dibenzofuran	20.0	16.0		ug/L		80	48 - 120	3	20
Fluoranthene	20.0	15.1		ug/L		76	43 - 121	1	40
Fluorene	20.0	15.4		ug/L		77	70 - 120	3	23
Hexachloroethane	20.0	14.2		ug/L		71	55 - 120	4	32
Indeno[1,2,3-cd]pyrene	20.0	16.1		ug/L		80	1 - 151	0	60
Naphthalene	20.0	12.8		ug/L		64	36 - 120	3	39
Nitrobenzene	20.0	12.8		ug/L		64	54 - 158	3	37
N-Nitrosodi-n-propylamine	20.0	14.5		ug/L		72	14 - 198	1	52
N-Nitrosodiphenylamine	20.0	18.7		ug/L		94	65 - 133	0	20
Pentachlorophenol	20.0	10.7		ug/L		54	38 - 152	7	52
Phenanthrene	20.0	14.7		ug/L		74	65 - 120	0	24
Phenol	20.0	7.38		ug/L		37	17 - 120	3	39
Pyrene	20.0	16.0		ug/L		80	70 - 120	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	89		28 - 127
2-Fluorobiphenyl (Surr)	74		31 - 120
2-Fluorophenol (Surr)	55		17 - 120
Nitrobenzene-d5 (Surr)	62		27 - 120
Phenol-d6 (Surr)	36		10 - 120
p-Terphenyl-d14 (Surr)	80		45 - 120

Lab Sample ID: 380-227047-C-1-A MS

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.1	15.1		ug/L		79	36 - 120
2,4,5-Trichlorophenol	<4.8		19.1	15.7		ug/L		82	21 - 145
2,4,6-Trichlorophenol	<0.96		19.1	14.8		ug/L		78	37 - 144
2,4-Dichlorophenol	<0.96		19.1	15.5		ug/L		81	39 - 135
2,4-Dinitrophenol	<4.8		19.1	15.1		ug/L		79	1 - 191
2,6-Dichlorophenol	<4.8		19.1	15.4		ug/L		81	24 - 134
2-Chloronaphthalene	<0.19		19.1	15.1		ug/L		79	60 - 120
2-Chlorophenol	<0.19		19.1	15.0		ug/L		79	23 - 143
2-Methylnaphthalene	<0.19		19.1	14.0		ug/L		73	32 - 124
2-Methylphenol	<0.96		19.1	14.3		ug/L		75	10 - 135
2-Nitroaniline	<4.8		19.1	13.8		ug/L		72	10 - 147
2-Nitrophenol	<4.8		19.1	17.1		ug/L		90	29 - 182
3/4-Methylphenol	<1.9		38.1	24.0		ug/L		63	10 - 118
3-Nitroaniline	<4.8		19.1	11.4		ug/L		60	10 - 153

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-227047-C-1-A MS

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	<4.8		19.1	17.6		ug/L		92	1 - 181
4-Bromophenyl phenyl ether	<0.19		19.1	14.5		ug/L		76	53 - 127
4-Chloro-3-methylphenol	<0.96		19.1	14.7		ug/L		77	22 - 147
4-Chloroaniline	<4.8		19.1	9.20		ug/L		48	10 - 131
4-Chlorophenyl phenyl ether	<0.19		19.1	14.5		ug/L		76	25 - 158
4-Nitroaniline	<4.8		19.1	13.2		ug/L		69	10 - 180
4-Nitrophenol	<4.8		19.1	6.66		ug/L		35	1 - 132
Acenaphthene	<0.19		19.1	13.9		ug/L		73	47 - 145
Acenaphthylene	<0.19		19.1	14.0		ug/L		74	33 - 145
Aniline	<0.19		19.1	2.25		ug/L		12	10 - 113
Anthracene	<0.19		19.1	14.1		ug/L		74	27 - 133
Benzidine	<4.8	*- F1	19.1	<4.8	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.19		19.1	14.5		ug/L		76	33 - 143
Benzo[a]pyrene	<0.19		19.1	14.4		ug/L		76	17 - 163
Benzo[b]fluoranthene	<0.19		19.1	14.4		ug/L		75	24 - 159
Benzo[g,h,i]perylene	<0.19		19.1	14.3		ug/L		75	1 - 219
Benzo[k]fluoranthene	<0.19		19.1	14.4		ug/L		75	11 - 162
Benzoic acid	<9.6		19.1	<9.5		ug/L		37	10 - 97
Benzyl alcohol	<0.96		19.1	11.5		ug/L		60	10 - 122
Bis(2-chloroethoxy)methane	<0.19		19.1	14.2		ug/L		74	33 - 184
Bis(2-chloroethyl)ether	<0.19		19.1	14.0		ug/L		73	12 - 158
bis (2-Chloroisopropyl) ether	<0.19		19.1	12.9		ug/L		68	36 - 166
Chrysene	<0.19		19.1	14.1		ug/L		74	17 - 168
Dibenz(a,h)anthracene	<0.19		19.1	15.1		ug/L		79	1 - 227
Dibenzofuran	<0.19		19.1	14.7		ug/L		77	42 - 111
Fluoranthene	<0.19		19.1	14.2		ug/L		74	26 - 137
Fluorene	<0.19		19.1	14.1		ug/L		74	59 - 121
Hexachloroethane	<0.19		19.1	13.6		ug/L		71	40 - 120
Indeno[1,2,3-cd]pyrene	<0.19		19.1	14.9		ug/L		78	1 - 171
Naphthalene	<0.19		19.1	13.7		ug/L		72	21 - 133
Nitrobenzene	<0.19		19.1	13.8		ug/L		72	35 - 180
N-Nitrosodi-n-propylamine	<0.19		19.1	13.4		ug/L		71	1 - 230
N-Nitrosodiphenylamine	<0.19		19.1	17.2		ug/L		90	10 - 179
Pentachlorophenol	<0.96		19.1	10.3		ug/L		54	14 - 176
Phenanthrene	<0.19		19.1	13.8		ug/L		72	54 - 120
Phenol	<0.96		19.1	6.67		ug/L		35	5 - 120
Pyrene	<0.19		19.1	14.5		ug/L		76	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	87		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	54		17 - 120
Nitrobenzene-d5 (Surr)	69		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	78		45 - 120

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-227047-C-1-B MSD

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		18.9	16.2		ug/L		86	36 - 120	7	30
2,4,5-Trichlorophenol	<4.8		18.9	18.1		ug/L		96	21 - 145	15	30
2,4,6-Trichlorophenol	<0.96		18.9	17.4		ug/L		92	37 - 144	16	58
2,4-Dichlorophenol	<0.96		18.9	16.7		ug/L		88	39 - 135	8	50
2,4-Dinitrophenol	<4.8		18.9	18.5		ug/L		98	1 - 191	20	132
2,6-Dichlorophenol	<4.8		18.9	16.3		ug/L		86	24 - 134	6	30
2-Chloronaphthalene	<0.19		18.9	17.3		ug/L		91	60 - 120	13	24
2-Chlorophenol	<0.19		18.9	17.9		ug/L		95	23 - 143	17	61
2-Methylnaphthalene	<0.19		18.9	14.9		ug/L		79	32 - 124	6	30
2-Methylphenol	<0.96		18.9	17.3		ug/L		91	10 - 135	19	30
2-Nitroaniline	<4.8		18.9	16.1		ug/L		85	10 - 147	16	30
2-Nitrophenol	<4.8		18.9	18.5		ug/L		98	29 - 182	8	55
3/4-Methylphenol	<1.9		37.8	29.4		ug/L		78	10 - 118	20	30
3-Nitroaniline	<4.8		18.9	14.8		ug/L		78	10 - 153	26	30
4,6-Dinitro-2-methylphenol	<4.8		18.9	20.6		ug/L		109	1 - 181	16	203
4-Bromophenyl phenyl ether	<0.19		18.9	16.5		ug/L		87	53 - 127	13	43
4-Chloro-3-methylphenol	<0.96		18.9	16.4		ug/L		87	22 - 147	11	73
4-Chloroaniline	<4.8		18.9	10.6		ug/L		56	10 - 131	14	30
4-Chlorophenyl phenyl ether	<0.19		18.9	16.8		ug/L		89	25 - 158	14	61
4-Nitroaniline	<4.8		18.9	15.5		ug/L		82	10 - 180	16	30
4-Nitrophenol	<4.8		18.9	5.71		ug/L		30	1 - 132	15	131
Acenaphthene	<0.19		18.9	16.0		ug/L		85	47 - 145	14	48
Acenaphthylene	<0.19		18.9	16.0		ug/L		84	33 - 145	13	74
Aniline	<0.19		18.9	2.92		ug/L		15	10 - 113	26	30
Anthracene	<0.19		18.9	15.9		ug/L		84	27 - 133	12	66
Benzidine	<4.8	*- F1	18.9	<4.7	F1	ug/L		0	10 - 57	NC	30
Benzo[a]anthracene	<0.19		18.9	16.7		ug/L		88	33 - 143	14	53
Benzo[a]pyrene	<0.19		18.9	15.8		ug/L		84	17 - 163	9	72
Benzo[b]fluoranthene	<0.19		18.9	15.7		ug/L		83	24 - 159	9	71
Benzo[g,h,i]perylene	<0.19		18.9	15.9		ug/L		84	1 - 219	11	97
Benzo[k]fluoranthene	<0.19		18.9	16.0		ug/L		84	11 - 162	10	63
Benzoic acid	<9.6		18.9	<9.5		ug/L		41	10 - 97	10	30
Benzyl alcohol	<0.96		18.9	13.3		ug/L		70	10 - 122	14	30
Bis(2-chloroethoxy)methane	<0.19		18.9	15.1		ug/L		80	33 - 184	7	54
Bis(2-chloroethyl)ether	<0.19		18.9	16.4		ug/L		87	12 - 158	16	108
bis (2-Chloroisopropyl) ether	<0.19		18.9	15.3		ug/L		81	36 - 166	17	76
Chrysene	<0.19		18.9	16.1		ug/L		85	17 - 168	13	87
Dibenz(a,h)anthracene	<0.19		18.9	16.8		ug/L		89	1 - 227	11	126
Dibenzofuran	<0.19		18.9	16.8		ug/L		89	42 - 111	14	30
Fluoranthene	<0.19		18.9	15.6		ug/L		83	26 - 137	10	66
Fluorene	<0.19		18.9	16.3		ug/L		86	59 - 121	14	38
Hexachloroethane	<0.19		18.9	15.2		ug/L		80	40 - 120	11	52
Indeno[1,2,3-cd]pyrene	<0.19		18.9	16.6		ug/L		88	1 - 171	11	99
Naphthalene	<0.19		18.9	14.2		ug/L		75	21 - 133	3	65
Nitrobenzene	<0.19		18.9	14.5		ug/L		77	35 - 180	5	62
N-Nitrosodi-n-propylamine	<0.19		18.9	16.2		ug/L		86	1 - 230	19	87
N-Nitrosodiphenylamine	<0.19		18.9	19.7		ug/L		104	10 - 179	14	30
Pentachlorophenol	<0.96		18.9	12.4		ug/L		66	14 - 176	19	86

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-227047-C-1-B MSD

Matrix: Water

Analysis Batch: 776356

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 774712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	<0.19		18.9	15.7		ug/L		83	54 - 120	13	39
Phenol	<0.96		18.9	8.21		ug/L		43	5 - 120	21	64
Pyrene	<0.19		18.9	17.7		ug/L		93	52 - 120	20	49
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
2,4,6-Tribromophenol (Surr)	103		28 - 127								
2-Fluorobiphenyl (Surr)	84		31 - 120								
2-Fluorophenol (Surr)	66		17 - 120								
Nitrobenzene-d5 (Surr)	75		27 - 120								
Phenol-d6 (Surr)	43		10 - 120								
p-Terphenyl-d14 (Surr)	95		45 - 120								

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

Lab Sample ID: MB 570-775914/6

Matrix: Water

Analysis Batch: 775914

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/29/26 09:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		38 - 134				07/29/26 09:55	1

Lab Sample ID: LCS 570-775914/3

Matrix: Water

Analysis Batch: 775914

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	362		ug/L		90	78 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		38 - 134						

Lab Sample ID: LCSD 570-775914/4

Matrix: Water

Analysis Batch: 775914

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	368		ug/L		92	78 - 120	2	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		38 - 134						

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MRL 570-775914/7

Matrix: Water

Analysis Batch: 775914

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	12.1		ug/L		121	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		38 - 134								

Lab Sample ID: 380-227047-A-1 MS

Matrix: Water

Analysis Batch: 775914

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	342		ug/L		86	68 - 122		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		38 - 134								

Lab Sample ID: 380-227047-A-1 MSD

Matrix: Water

Analysis Batch: 775914

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	353		ug/L		88	68 - 122	3	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		38 - 134								

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

Lab Sample ID: MBL 380-241939/4-A

Matrix: Water

Analysis Batch: 242202

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 241939

Analyte	MBL	MBL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		07/23/26 15:35	07/23/26 18:57	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		07/23/26 15:35	07/23/26 18:57	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		07/23/26 15:35	07/23/26 18:57	1
Surrogate	MBL	MBL	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	109		60 - 140			07/23/26 15:35	07/23/26 18:57	1

Lab Sample ID: LCS 380-241939/36-B

Matrix: Water

Analysis Batch: 242202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	1.25	1.33		ug/L		106	70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-241939/36-B

Matrix: Water

Analysis Batch: 242202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241939

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
1,2-Dibromo-3-Chloropropane			0.250	0.258		ug/L		103		70 - 130	
1,2-Dibromoethane			0.250	0.263		ug/L		105		70 - 130	
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dibromopropane (Surr)	105		60 - 140								

Lab Sample ID: MRL 380-241939/2-A

Matrix: Water

Analysis Batch: 242202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241939

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
1,2,3-Trichloropropane			0.0200	0.0222		ug/L		111	60 - 140		
Surrogate	MRL	MRL									
	%Recovery	Qualifier	Limits								
1,2-Dibromopropane (Surr)	116		60 - 140								

Lab Sample ID: MRL 380-241939/3-A

Matrix: Water

Analysis Batch: 242202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241939

Analyte			Spike	MRL	MRL	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
1,2,3-Trichloropropane			0.0500	0.0544		ug/L		109	60 - 140		
1,2-Dibromo-3-Chloropropane			0.0100	0.0103		ug/L		103	60 - 140		
1,2-Dibromoethane			0.0100	0.0108		ug/L		108	60 - 140		
Surrogate	MRL	MRL									
%Recovery	Qualifier	Limits									
1,2-Dibromopropane (Surr)	110		60 - 140								

Lab Sample ID: 380-226309-BU-1-A MS

Matrix: Water

Analysis Batch: 242202

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 241939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	<0.020		1.24	1.37		ug/L		111	65 - 135
1,2-Dibromo-3-Chloropropane	<0.0098		0.248	0.271		ug/L		109	65 - 135
1,2-Dibromoethane	<0.0098		0.248	0.272		ug/L		110	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dibromopropane (Surr)	107		60 - 140						

Lab Sample ID: 380-226453-L-1-A DU

Matrix: Water

Analysis Batch: 242202

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 241939

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: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Surrogate	%Recovery	DU DU Qualifier	Limits
1,2-Dibromopropane (Surr)	109		60 - 140

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-242163/3-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 242163

Analyte	MB MB Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50	0.50	ug/L		07/24/26 14:17	07/24/26 16:47	1
Chlordane (n.o.s.)	<0.10	0.10	ug/L		07/24/26 14:17	07/24/26 16:47	1
PCB-1016	<0.070	0.070	ug/L		07/24/26 14:17	07/24/26 16:47	1
PCB-1221	<0.10	0.10	ug/L		07/24/26 14:17	07/24/26 16:47	1
PCB-1232	<0.10	0.10	ug/L		07/24/26 14:17	07/24/26 16:47	1
PCB-1242	<0.10	0.10	ug/L		07/24/26 14:17	07/24/26 16:47	1
PCB-1248	<0.10	0.10	ug/L		07/24/26 14:17	07/24/26 16:47	1
PCB-1254	<0.10	0.10	ug/L		07/24/26 14:17	07/24/26 16:47	1
PCB-1260	<0.070	0.070	ug/L		07/24/26 14:17	07/24/26 16:47	1
Polychlorinated biphenyls, Total	<0.10	0.10	ug/L		07/24/26 14:17	07/24/26 16:47	1

Surrogate	MB MB %Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114	70 - 130	07/24/26 14:17	07/24/26 16:47	1

Lab Sample ID: LCS 380-242163/28-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	2.50	2.44	ug/L		98	70 - 130

Surrogate	LCS LCS %Recovery Qualifier	Limits
Tetrachloro-m-xylene	119	70 - 130

Lab Sample ID: LCS 380-242163/30-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	0.500	0.453	ug/L		91	70 - 130

Surrogate	LCS LCS %Recovery Qualifier	Limits
Tetrachloro-m-xylene	112	70 - 130

Lab Sample ID: LCS 380-242163/31-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1248	0.500	0.467	ug/L		93	70 - 130

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-242163/31-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242163

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
Tetrachloro-m-xylene	114		70 - 130

Lab Sample ID: LCSD 380-242163/29-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Toxaphene	2.50	2.16		ug/L		86	70 - 130	12	20
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Tetrachloro-m-xylene	100		70 - 130						

Lab Sample ID: MRL 380-242163/1-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene	0.500	0.493	J	ug/L		99	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits						
Tetrachloro-m-xylene	108		70 - 130						

Lab Sample ID: MRL 380-242163/2-A

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)	0.100	0.0916	J	ug/L		92	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits						
Tetrachloro-m-xylene	113		70 - 130						

Lab Sample ID: 380-226673-B-3-A MS

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene	<0.50		2.46	2.29		ug/L		93	65 - 135		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Tetrachloro-m-xylene	111		70 - 130								

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-226673-C-3-A MS

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.491	0.464		ug/L		94	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	116		70 - 130						

Lab Sample ID: 380-226673-C-4-A MS

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.49		2.46	2.40		ug/L		97	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	116		70 - 130						

Lab Sample ID: 380-226673-D-4-A MS

Matrix: Water

Analysis Batch: 242629

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 242163

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.099		0.495	0.516		ug/L		104	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	118		70 - 130						

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

Lab Sample ID: MB 570-773351/1-A

Matrix: Water

Analysis Batch: 779594

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 773351

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		07/23/26 12:30	08/05/26 14:26	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		07/23/26 12:30	08/05/26 14:26	1
C8-C18	<25		25	ug/L		07/23/26 12:30	08/05/26 14:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		60 - 130			07/23/26 12:30	08/05/26 14:26	1

Lab Sample ID: LCS 570-773351/2-A

Matrix: Water

Analysis Batch: 778552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 773351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1510		ug/L		94	56 - 127

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 570-773351/2-A

Matrix: Water

Analysis Batch: 778552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 773351

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
n-Octacosane (Surr)	103		60 - 130

Lab Sample ID: LCSD 570-773351/3-A

Matrix: Water

Analysis Batch: 778552

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 773351

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28			1600	1600		ug/L		100	56 - 127	6	23
Surrogate		LCSD									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		110		60 - 130							

Lab Sample ID: MRL 570-773351/4-A

Matrix: Water

Analysis Batch: 779594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 773351

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28			0.0200	0.0270		mg/L		135	50 - 150		
Surrogate		MRL									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		95		60 - 130							

Lab Sample ID: 380-226428-B-1-A MS

Matrix: Water

Analysis Batch: 778552

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 773351

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28	<26	^3+	1620	1780		ug/L		110	70 - 130		
Surrogate		MS									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		119		60 - 130							

Lab Sample ID: 380-226428-B-1-B MSD

Matrix: Water

Analysis Batch: 778552

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 773351

	Sample	Sample	Spike	MSD	MSD				%Rec	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28	<26	^3+	1660	1870		ug/L		113	70 - 130	5	20
Surrogate		MSD									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		120		60 - 130							

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: MB 570-773371/3

Matrix: Water

Analysis Batch: 773371

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			07/23/26 16:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	96		52 - 149				07/23/26 16:11	1

Lab Sample ID: LCS 570-773371/5

Matrix: Water

Analysis Batch: 773371

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	2.04		mg/L		102	59 - 153
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Hexafluoro-2-propanol (Surr)	97		52 - 149				

Lab Sample ID: LCSD 570-773371/6

Matrix: Water

Analysis Batch: 773371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethanol	2.00	1.99		mg/L		99	59 - 153	3	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	96		52 - 149						

Lab Sample ID: MRL 570-773371/4

Matrix: Water

Analysis Batch: 773371

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	0.108		mg/L		108	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
Hexafluoro-2-propanol (Surr)	8		52 - 149				

Lab Sample ID: 380-226049-AB-1 MS

Matrix: Water

Analysis Batch: 773371

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	1.98		mg/L		99	61 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	79		52 - 149						

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: 380-226049-AB-1 MSD

Matrix: Water

Analysis Batch: 773371

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	1.84		mg/L		92	61 - 150	7	36
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	89		52 - 149								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-241635/4

Matrix: Water

Analysis Batch: 241635

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			07/22/26 08:51	1
Nitrite as N	<0.050		0.050	mg/L			07/22/26 08:51	1

Lab Sample ID: LCS 380-241635/6

Matrix: Water

Analysis Batch: 241635

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	2.48		mg/L		99	90 - 110		
Nitrite as N	1.00	0.987		mg/L		99	90 - 110		

Lab Sample ID: LCSD 380-241635/7

Matrix: Water

Analysis Batch: 241635

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	2.48		mg/L		99	90 - 110	0	20
Nitrite as N	1.00	0.978		mg/L		98	90 - 110	1	20

Lab Sample ID: MRL 380-241635/5

Matrix: Water

Analysis Batch: 241635

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	0.0486	J	mg/L		97	50 - 150		
Nitrite as N	0.0500	0.0504		mg/L		101	50 - 150		

Lab Sample ID: 380-226443-A-1 MS

Matrix: Water

Analysis Batch: 241635

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	0.67		1.25	2.02		mg/L		108	80 - 120		
Nitrite as N	<0.050		0.500	0.491		mg/L		98	80 - 120		

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 380-226443-A-1 MSD

Matrix: Water

Analysis Batch: 241635

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.67		1.25	2.00		mg/L		107	80 - 120	1	20
Nitrite as N	<0.050		0.500	0.480		mg/L		96	80 - 120	2	20

Lab Sample ID: MB 380-241636/4

Matrix: Water

Analysis Batch: 241636

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			07/22/26 08:51	1
Sulfate	<0.25		0.25	mg/L			07/22/26 08:51	1

Lab Sample ID: LCS 380-241636/6

Matrix: Water

Analysis Batch: 241636

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	24.8		mg/L		99	90 - 110
Sulfate	50.0	47.2		mg/L		94	90 - 110

Lab Sample ID: LCSD 380-241636/7

Matrix: Water

Analysis Batch: 241636

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	24.6		mg/L		98	90 - 110	1	20
Sulfate	50.0	46.8		mg/L		94	90 - 110	1	20

Lab Sample ID: MRL 380-241636/5

Matrix: Water

Analysis Batch: 241636

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	0.443	J	mg/L		89	50 - 150
Sulfate	0.250	0.225	J	mg/L		90	50 - 150

Lab Sample ID: 380-226443-A-1 MS

Matrix: Water

Analysis Batch: 241636

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	11		12.5	24.5		mg/L		110	80 - 120
Sulfate	25		25.0	50.9		mg/L		104	80 - 120

Lab Sample ID: 380-226443-A-1 MSD

Matrix: Water

Analysis Batch: 241636

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	11		12.5	24.3		mg/L		108	80 - 120	1	20
Sulfate	25		25.0	50.5		mg/L		102	80 - 120	1	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-246631/6

Matrix: Water

Analysis Batch: 246631

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			08/14/26 16:13	1

Lab Sample ID: LCS 380-246631/7

Matrix: Water

Analysis Batch: 246631

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	97.8		ug/L		98	90 - 110

Lab Sample ID: LCSD 380-246631/8

Matrix: Water

Analysis Batch: 246631

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	97.5		ug/L		98	90 - 110	0	10

Lab Sample ID: MRL 380-246631/5

Matrix: Water

Analysis Batch: 246631

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	4.03	J	ug/L		81	75 - 125

Lab Sample ID: 380-230053-A-3 MS

Matrix: Water

Analysis Batch: 246631

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	37		50.0	87.3		ug/L		100	80 - 120

Lab Sample ID: 380-230053-A-3 MSD

Matrix: Water

Analysis Batch: 246631

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	37		50.0	86.5		ug/L		98	80 - 120	1	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-242181/56

Matrix: Water

Analysis Batch: 242181

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			07/23/26 15:23	1
Magnesium	<0.0099		0.10	mg/L			07/23/26 15:23	1
Potassium	<0.044		0.20	mg/L			07/23/26 15:23	1
Sodium	<0.019		0.10	mg/L			07/23/26 15:23	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-242181/58

Matrix: Water

Analysis Batch: 242181

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	49.6		mg/L		99	85 - 115
Magnesium	20.0	20.0		mg/L		100	85 - 115
Potassium	20.0	19.6		mg/L		98	85 - 115
Sodium	50.0	48.9		mg/L		98	85 - 115

Lab Sample ID: LCSD 380-242181/59

Matrix: Water

Analysis Batch: 242181

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	49.7		mg/L		99	85 - 115	0	20
Magnesium	20.0	19.9		mg/L		100	85 - 115	0	20
Potassium	20.0	19.6		mg/L		98	85 - 115	0	20
Sodium	50.0	49.1		mg/L		98	85 - 115	0	20

Lab Sample ID: LLCS 380-242181/57

Matrix: Water

Analysis Batch: 242181

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	0.0934	J	mg/L		93	50 - 150
Magnesium	0.100	0.0765	J	mg/L		76	50 - 150
Potassium	0.100	0.127	J	mg/L		127	50 - 150
Sodium	0.100	0.0965	J	mg/L		97	50 - 150

Lab Sample ID: 380-226421-1 MS

Matrix: Drinking Water

Analysis Batch: 242181

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	17		50.0	65.0		mg/L		96	70 - 130
Magnesium	16		20.0	35.6		mg/L		97	70 - 130
Potassium	2.2		20.0	21.6		mg/L		97	70 - 130
Sodium	41		50.0	87.8		mg/L		94	70 - 130

Lab Sample ID: 380-226421-1 MSD

Matrix: Drinking Water

Analysis Batch: 242181

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	17		50.0	65.4		mg/L		97	70 - 130	1	20
Magnesium	16		20.0	35.7		mg/L		97	70 - 130	0	20
Potassium	2.2		20.0	21.7		mg/L		97	70 - 130	0	20
Sodium	41		50.0	88.0		mg/L		95	70 - 130	0	20

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-242166/14
Matrix: Water
Analysis Batch: 242166

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			07/23/26 13:40	1
Arsenic	<0.25		1.0	ug/L			07/23/26 13:40	1
Beryllium	<0.12		0.30	ug/L			07/23/26 13:40	1
Cadmium	<0.081		0.50	ug/L			07/23/26 13:40	1
Chromium	<0.33		0.90	ug/L			07/23/26 13:40	1
Copper	<0.28		1.0	ug/L			07/23/26 13:40	1
Lead	<0.084		0.50	ug/L			07/23/26 13:40	1
Nickel	<0.38		5.0	ug/L			07/23/26 13:40	1
Selenium	<0.25		2.0	ug/L			07/23/26 13:40	1
Silver	<0.30		0.50	ug/L			07/23/26 13:40	1
Thallium	<0.10		0.30	ug/L			07/23/26 13:40	1
Zinc	<1.3		5.0	ug/L			07/23/26 13:40	1

Lab Sample ID: LCS 380-242166/16
Matrix: Water
Analysis Batch: 242166

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	49.4		ug/L		99	85 - 115
Arsenic	50.0	52.7		ug/L		105	85 - 115
Beryllium	50.0	48.5		ug/L		97	85 - 115
Cadmium	50.0	51.4		ug/L		103	85 - 115
Chromium	50.0	50.3		ug/L		101	85 - 115
Copper	50.0	51.2		ug/L		102	85 - 115
Lead	50.0	51.1		ug/L		102	85 - 115
Nickel	50.0	50.1		ug/L		100	85 - 115
Selenium	50.0	52.4		ug/L		105	85 - 115
Silver	50.0	51.2		ug/L		102	85 - 115
Thallium	50.0	50.7		ug/L		101	85 - 115
Zinc	50.0	50.2		ug/L		100	85 - 115

Lab Sample ID: LCSD 380-242166/17
Matrix: Water
Analysis Batch: 242166

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	50.2		ug/L		100	85 - 115	1	20
Arsenic	50.0	52.8		ug/L		106	85 - 115	0	20
Beryllium	50.0	49.3		ug/L		99	85 - 115	2	20
Cadmium	50.0	51.7		ug/L		103	85 - 115	1	20
Chromium	50.0	50.7		ug/L		101	85 - 115	1	20
Copper	50.0	51.5		ug/L		103	85 - 115	1	20
Lead	50.0	51.4		ug/L		103	85 - 115	1	20
Nickel	50.0	50.4		ug/L		101	85 - 115	1	20
Selenium	50.0	52.6		ug/L		105	85 - 115	0	20
Silver	50.0	51.3		ug/L		103	85 - 115	0	20
Thallium	50.0	50.9		ug/L		102	85 - 115	0	20
Zinc	50.0	50.3		ug/L		101	85 - 115	0	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LLCS 380-242166/15
Matrix: Water
Analysis Batch: 242166

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	1.08		ug/L		108	50 - 150
Arsenic	1.00	1.08		ug/L		108	50 - 150
Beryllium	0.300	0.314		ug/L		105	50 - 150
Cadmium	0.500	0.538		ug/L		108	50 - 150
Chromium	0.900	0.910		ug/L		101	50 - 150
Copper	1.00	1.10		ug/L		110	50 - 150
Lead	0.500	0.542		ug/L		108	50 - 150
Nickel	1.00	1.11	J	ug/L		111	50 - 150
Selenium	2.00	2.18		ug/L		109	50 - 150
Silver	0.500	0.533		ug/L		107	50 - 150
Thallium	0.300	0.323		ug/L		108	50 - 150
Zinc	5.00	5.63		ug/L		113	50 - 150

Lab Sample ID: 380-226411-A-3 MS
Matrix: Water
Analysis Batch: 242166

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	51.3		ug/L		103	70 - 130
Arsenic	<1.0		50.0	55.1		ug/L		110	70 - 130
Beryllium	<0.30		50.0	46.5		ug/L		93	70 - 130
Cadmium	<0.50		50.0	50.4		ug/L		101	70 - 130
Chromium	<0.90		50.0	47.4		ug/L		95	70 - 130
Copper	14		50.0	61.1		ug/L		94	70 - 130
Lead	<0.50		50.0	48.5		ug/L		96	70 - 130
Nickel	<5.0		50.0	46.4		ug/L		93	70 - 130
Selenium	<2.0		50.0	60.6		ug/L		121	70 - 130
Silver	<0.50		50.0	41.4		ug/L		83	70 - 130
Thallium	<0.30		50.0	48.3		ug/L		97	70 - 130
Zinc	10		50.0	61.3		ug/L		102	70 - 130

Lab Sample ID: 380-226411-A-3 MSD
Matrix: Water
Analysis Batch: 242166

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	50.4		ug/L		101	70 - 130	2	20
Arsenic	<1.0		50.0	53.6		ug/L		107	70 - 130	3	20
Beryllium	<0.30		50.0	45.2		ug/L		90	70 - 130	3	20
Cadmium	<0.50		50.0	49.5		ug/L		99	70 - 130	2	20
Chromium	<0.90		50.0	46.0		ug/L		92	70 - 130	3	20
Copper	14		50.0	59.5		ug/L		91	70 - 130	3	20
Lead	<0.50		50.0	47.3		ug/L		94	70 - 130	2	20
Nickel	<5.0		50.0	45.2		ug/L		90	70 - 130	2	20
Selenium	<2.0		50.0	59.0		ug/L		118	70 - 130	3	20
Silver	<0.50		50.0	40.2		ug/L		80	70 - 130	3	20
Thallium	<0.30		50.0	47.2		ug/L		94	70 - 130	2	20
Zinc	10		50.0	59.9		ug/L		99	70 - 130	2	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-242167/14
Matrix: Water
Analysis Batch: 242167

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			07/23/26 13:40	1

Lab Sample ID: LCS 380-242167/16
Matrix: Water
Analysis Batch: 242167

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

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

Lab Sample ID: LCSD 380-242167/17
Matrix: Water
Analysis Batch: 242167

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	1.03		ug/L		103	85 - 115	1	20

Lab Sample ID: LLCS 380-242167/15
Matrix: Water
Analysis Batch: 242167

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	0.205		ug/L		103	50 - 150

Lab Sample ID: 380-226462-D-1 MS
Matrix: Water
Analysis Batch: 242167

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	1.18		ug/L		118	70 - 130

Lab Sample ID: 380-226462-D-1 MSD
Matrix: Water
Analysis Batch: 242167

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	1.17		ug/L		117	70 - 130	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-241889/1
Matrix: Water
Analysis Batch: 241889

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<2.0		2.0	mg/L			07/22/26 16:43	1
Bicarbonate Alkalinity as CaCO3	<2.0		2.0	mg/L			07/22/26 16:43	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	mg/L			07/22/26 16:43	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 380-241889/3

Matrix: Water

Analysis Batch: 241889

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	95.7		mg/L		96	90 - 110

Lab Sample ID: LCSD 380-241889/18

Matrix: Water

Analysis Batch: 241889

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	96.6		mg/L		97	90 - 110	1	20

Lab Sample ID: LLCS 380-241889/4

Matrix: Water

Analysis Batch: 241889

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	20.8		mg/L		104	90 - 110

Lab Sample ID: MRL 380-241889/2

Matrix: Water

Analysis Batch: 241889

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	2.00	1.68	J	mg/L		84	50 - 150

Lab Sample ID: 380-226124-B-1 MS

Matrix: Water

Analysis Batch: 241889

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	16		100	106		mg/L		89	80 - 120

Lab Sample ID: 380-226124-B-1 MSD

Matrix: Water

Analysis Batch: 241889

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	16		100	112		mg/L		95	80 - 120	5	20

Lab Sample ID: 380-226124-B-1 DU

Matrix: Water

Analysis Batch: 241889

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	16		16.5		mg/L		0.5	20
Bicarbonate Alkalinity as CaCO3	16		16.5		mg/L		0.5	20
Carbonate Alkalinity as CaCO3	<2.0		<2.0		mg/L		NC	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-241892/3
Matrix: Water
Analysis Batch: 241892

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			07/22/26 16:43	1

Lab Sample ID: LCS 380-241892/5
Matrix: Water
Analysis Batch: 241892

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	1000		umhos/cm		100	90 - 110

Lab Sample ID: LCSD 380-241892/17
Matrix: Water
Analysis Batch: 241892

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	997		umhos/cm		100	90 - 110	1	10

Lab Sample ID: MRL 380-241892/4
Matrix: Water
Analysis Batch: 241892

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

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

Lab Sample ID: 380-226150-AA-1 DU
Matrix: Water
Analysis Batch: 241892

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	31		30.4		umhos/cm		0.3	20

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

Lab Sample ID: MB 380-241684/1
Matrix: Water
Analysis Batch: 241684

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			07/22/26 16:48	1

Lab Sample ID: HLCS 380-241684/4
Matrix: Water
Analysis Batch: 241684

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	732		mg/L		105	80 - 114

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-241684/3
Matrix: Water
Analysis Batch: 241684

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

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

Lab Sample ID: MRL 380-241684/2
Matrix: Water
Analysis Batch: 241684

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	8.00	J	mg/L		80	50 - 150

Lab Sample ID: 380-226412-E-3 DU
Matrix: Water
Analysis Batch: 241684

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	480		466		mg/L		3	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-241887/74
Matrix: Water
Analysis Batch: 241887

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			07/22/26 22:41	1

Lab Sample ID: LCS 380-241887/76
Matrix: Water
Analysis Batch: 241887

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	0.991		mg/L		99	90 - 110

Lab Sample ID: LCSD 380-241887/77
Matrix: Water
Analysis Batch: 241887

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.00	0.924		mg/L		92	90 - 110	7	10

Lab Sample ID: MRL 380-241887/75
Matrix: Water
Analysis Batch: 241887

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	0.0515		mg/L		103	50 - 150

QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 380-225955-B-3 MS

Matrix: Water

Analysis Batch: 241887

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	0.36		1.00	1.40		mg/L		104	80 - 120

Lab Sample ID: 380-225955-B-3 MSD

Matrix: Water

Analysis Batch: 241887

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	0.36		1.00	1.40		mg/L		103	80 - 120	0	20

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-241894/5

Matrix: Water

Analysis Batch: 241894

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.8			SU			07/22/26 16:43	1

Lab Sample ID: LCS 380-241894/6

Matrix: Water

Analysis Batch: 241894

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 380-241894/18

Matrix: Water

Analysis Batch: 241894

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: 380-226124-B-1 DU

Matrix: Water

Analysis Batch: 241894

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.5		7.5		SU		0.3	2

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 380-242694/3

Matrix: Water

Analysis Batch: 242694

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			07/27/26 15:42	1

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QC Sample Results

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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

Lab Sample ID: LCS 380-242694/5

Matrix: Water

Analysis Batch: 242694

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	0.228		mg/L		91	90 - 110

Lab Sample ID: LCSD 380-242694/6

Matrix: Water

Analysis Batch: 242694

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	0.226		mg/L		90	90 - 110	1	20

Lab Sample ID: MRL 380-242694/4

Matrix: Water

Analysis Batch: 242694

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	0.0494	J	mg/L		99	50 - 150

Lab Sample ID: 380-226476-C-1 MS

Matrix: Water

Analysis Batch: 242694

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
Sulfide	<0.050	F1	0.250	0.146	F1	mg/L		58	80 - 120

Lab Sample ID: 380-226476-C-1 MSD

Matrix: Water

Analysis Batch: 242694

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
Sulfide	<0.050	F1	0.250	0.148	F1	mg/L		59	80 - 120	1	20

QC Association Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

GC/MS VOA

Analysis Batch: 243987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	524.2	
380-226421-2	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	524.2	
MB 380-243987/5	Method Blank	Total/NA	Water	524.2	
LCS 380-243987/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-243987/4	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-243987/27	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-243987/28	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 244305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	524.2	
MB 380-244305/15	Method Blank	Total/NA	Water	524.2	
LCS 380-244305/11	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-244305/12	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-244305/13	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-244305/14	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 244458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	524.2	

GC/MS Semi VOA

Prep Batch: 242654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
MB 380-242654/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-242654/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-242654/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-226421-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
380-226421-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	

Analysis Batch: 242880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	242654
MB 380-242654/21-A	Method Blank	Total/NA	Water	525.2	242654
LCS 380-242654/23-A	Lab Control Sample	Total/NA	Water	525.2	242654
MRL 380-242654/22-A	Lab Control Sample	Total/NA	Water	525.2	242654
380-226421-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	242654
380-226421-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	242654

Prep Batch: 774712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	
MB 570-774712/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-774712/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-774712/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-227047-C-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-227047-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

QC Association Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

GC/MS Semi VOA

Analysis Batch: 776356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1 SIM	774712
MB 570-774712/1-A	Method Blank	Total/NA	Water	625.1 SIM	774712
LCS 570-774712/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	774712
LCSD 570-774712/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	774712
380-227047-C-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	774712
380-227047-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	774712

Analysis Batch: 779378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	774712
MB 570-774712/1-A	Method Blank	Total/NA	Water	625.1	774712

GC VOA

Analysis Batch: 775914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B GRO LL	
380-226421-2	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	8015B GRO LL	
MB 570-775914/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-775914/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-775914/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-775914/7	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-227047-A-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-227047-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 241939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	504.1	
380-226421-2	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	504.1	
MBL 380-241939/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-241939/36-B	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-241939/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-241939/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-226309-BU-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-226453-L-1-A DU	Duplicate	Total/NA	Water	504.1	

Prep Batch: 242163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	505	
MB 380-242163/3-A	Method Blank	Total/NA	Water	505	
LCS 380-242163/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-242163/30-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-242163/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-242163/29-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-242163/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-242163/2-A	Lab Control Sample	Total/NA	Water	505	
380-226673-B-3-A MS	Matrix Spike	Total/NA	Water	505	
380-226673-C-3-A MS	Matrix Spike	Total/NA	Water	505	
380-226673-C-4-A MS	Matrix Spike	Total/NA	Water	505	
380-226673-D-4-A MS	Matrix Spike	Total/NA	Water	505	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

GC Semi VOA

Analysis Batch: 242202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	504.1	241939
380-226421-2	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	504.1	241939
MBL 380-241939/4-A	Method Blank	Total/NA	Water	504.1	241939
LCS 380-241939/36-B	Lab Control Sample	Total/NA	Water	504.1	241939
MRL 380-241939/2-A	Lab Control Sample	Total/NA	Water	504.1	241939
MRL 380-241939/3-A	Lab Control Sample	Total/NA	Water	504.1	241939
380-226309-BU-1-A MS	Matrix Spike	Total/NA	Water	504.1	241939
380-226453-L-1-A DU	Duplicate	Total/NA	Water	504.1	241939

Analysis Batch: 242629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	505	242163
MB 380-242163/3-A	Method Blank	Total/NA	Water	505	242163
LCS 380-242163/28-A	Lab Control Sample	Total/NA	Water	505	242163
LCS 380-242163/30-A	Lab Control Sample	Total/NA	Water	505	242163
LCS 380-242163/31-A	Lab Control Sample	Total/NA	Water	505	242163
LCSD 380-242163/29-A	Lab Control Sample Dup	Total/NA	Water	505	242163
MRL 380-242163/1-A	Lab Control Sample	Total/NA	Water	505	242163
MRL 380-242163/2-A	Lab Control Sample	Total/NA	Water	505	242163
380-226673-B-3-A MS	Matrix Spike	Total/NA	Water	505	242163
380-226673-C-3-A MS	Matrix Spike	Total/NA	Water	505	242163
380-226673-C-4-A MS	Matrix Spike	Total/NA	Water	505	242163
380-226673-D-4-A MS	Matrix Spike	Total/NA	Water	505	242163

Prep Batch: 773351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1 - RA	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	3510C	
MB 570-773351/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-773351/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-773351/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-773351/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-226428-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-226428-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 773371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	
MB 570-773371/3	Method Blank	Total/NA	Water	8015B	
LCS 570-773371/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-773371/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-773371/4	Lab Control Sample	Total/NA	Water	8015B	
380-226049-AB-1 MS	Matrix Spike	Total/NA	Water	8015B	
380-226049-AB-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 778552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-773351/2-A	Lab Control Sample	Total/NA	Water	8015B	773351
LCSD 570-773351/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	773351
380-226428-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	773351
380-226428-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	773351

Eurofins Pomona

QC Association Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

GC Semi VOA

Analysis Batch: 779594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1 - RA	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	773351
MB 570-773351/1-A	Method Blank	Total/NA	Water	8015B	773351
MRL 570-773351/4-A	Lab Control Sample	Total/NA	Water	8015B	773351

HPLC/IC

Analysis Batch: 241635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	
MB 380-241635/4	Method Blank	Total/NA	Water	300.0	
LCS 380-241635/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-241635/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-241635/5	Lab Control Sample	Total/NA	Water	300.0	
380-226443-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-226443-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 241636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	
MB 380-241636/4	Method Blank	Total/NA	Water	300.0	
LCS 380-241636/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-241636/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-241636/5	Lab Control Sample	Total/NA	Water	300.0	
380-226443-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-226443-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 246631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	300.0	
MB 380-246631/6	Method Blank	Total/NA	Water	300.0	
LCS 380-246631/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-246631/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-246631/5	Lab Control Sample	Total/NA	Water	300.0	
380-230053-A-3 MS	Matrix Spike	Total/NA	Water	300.0	
380-230053-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 242166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	200.8	
MBL 380-242166/14	Method Blank	Total/NA	Water	200.8	
LCS 380-242166/16	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-242166/17	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-242166/15	Lab Control Sample	Total/NA	Water	200.8	
380-226411-A-3 MS	Matrix Spike	Total/NA	Water	200.8	
380-226411-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 242167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	200.8	
MBL 380-242167/14	Method Blank	Total/NA	Water	200.8	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Metals (Continued)

Analysis Batch: 242167 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 380-242167/16	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-242167/17	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-242167/15	Lab Control Sample	Total/NA	Water	200.8	
380-226462-D-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-226462-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 242181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	200.7 Rev 4.4	
MBL 380-242181/56	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-242181/58	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-242181/59	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-242181/57	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-226421-1 MS	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	200.7 Rev 4.4	
380-226421-1 MSD	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	200.7 Rev 4.4	

General Chemistry

Analysis Batch: 241684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2540C	
MB 380-241684/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-241684/4	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-241684/3	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-241684/2	Lab Control Sample	Total/NA	Water	SM 2540C	
380-226412-E-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 241887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 4500 F C	
MB 380-241887/74	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-241887/76	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-241887/77	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-241887/75	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-225955-B-3 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-225955-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 241889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2320B	
MB 380-241889/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-241889/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-241889/18	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-241889/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-241889/2	Lab Control Sample	Total/NA	Water	SM 2320B	
380-226124-B-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-226124-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-226124-B-1 DU	Duplicate	Total/NA	Water	SM 2320B	

QC Association Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

General Chemistry

Analysis Batch: 241892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 2510B	
MB 380-241892/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-241892/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-241892/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-241892/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-226150-AA-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 241894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 4500 H+ B	
MB 380-241894/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-241894/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-241894/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-226124-B-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 242694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-226421-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	SM 4500 S2 D	
MB 380-242694/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-242694/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-242694/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-242694/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-226476-C-1 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 D	
380-226476-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-1

Date Collected: 07/21/26 10:17

Matrix: Drinking Water

Date Received: 07/22/26 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	244458	C4WQ	EA POM	08/03/26 10:33
Total/NA	Analysis	524.2		1	243987	Q6AD	EA POM	08/03/26 10:33
Total/NA	Analysis	524.2		1	244305	Q6AD	EA POM	08/04/26 18:57
Total/NA	Prep	525.2			242654	L9UA	EA POM	07/27/26 11:41
Total/NA	Analysis	525.2		1	242880	Q8LA	EA POM	07/28/26 12:40
Total/NA	Prep	625.1			774712	H1SH	EET CAL 4	07/27/26 07:47
Total/NA	Analysis	625.1		1	779378	PQS1	EET CAL 4	08/05/26 12:40
Total/NA	Prep	625.1			774712	H1SH	EET CAL 4	07/27/26 07:47
Total/NA	Analysis	625.1 SIM		1	776356	S4EA	EET CAL 4	07/30/26 00:26
Total/NA	Analysis	8015B GRO LL		1	775914	7CF2	EET CAL 4	07/29/26 18:31
Total/NA	Prep	504.1			241939	X5FS	EA POM	07/23/26 15:35 - 07/23/26 16:20 ¹
Total/NA	Analysis	504.1		1	242202	X5FS	EA POM	07/23/26 23:19
Total/NA	Prep	505			242163	DR5R	EA POM	07/24/26 14:17 - 07/24/26 15:23 ¹
Total/NA	Analysis	505		1	242629	DR5R	EA POM	07/24/26 23:58
Total/NA	Prep	3510C	RA		773351	EP2G	EET CAL 4	07/23/26 15:29
Total/NA	Analysis	8015B	RA	1	779594	TR8L	EET CAL 4	08/05/26 15:52
Total/NA	Analysis	8015B		1	773371	P2HW	EET CAL 4	07/23/26 19:28
Total/NA	Analysis	300.0		5	241635	BG6L	EA POM	07/22/26 16:58
Total/NA	Analysis	300.0		5	241636	BG6L	EA POM	07/22/26 16:58
Total/NA	Analysis	300.0		1	246631	UNJR	EA POM	08/14/26 19:19
Total/NA	Analysis	200.7 Rev 4.4		1	242181	MF7S	EA POM	07/23/26 16:02
Total/NA	Analysis	200.8		1	242166	VB9B	EA POM	07/23/26 15:30
Total/NA	Analysis	200.8		1	242167	VB9B	EA POM	07/23/26 15:30
Total/NA	Analysis	SM 2320B		1	241889	ZJ2C	EA POM	07/22/26 20:33
Total/NA	Analysis	SM 2510B		1	241892	ZJ2C	EA POM	07/22/26 20:33
Total/NA	Analysis	SM 2540C		1	241684	UL8Q	EA POM	07/22/26 16:48
Total/NA	Analysis	SM 4500 F C		1	241887	ZJ2C	EA POM	07/23/26 00:25
Total/NA	Analysis	SM 4500 H+ B		1	241894	ZJ2C	EA POM	07/22/26 20:33
Total/NA	Analysis	SM 4500 S2 D		1	242694	N9HH	EA POM	07/27/26 15:42

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-226421-2

Date Collected: 07/21/26 10:17

Matrix: Water

Date Received: 07/22/26 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	243987	Q6AD	EA POM	08/03/26 10:56
Total/NA	Analysis	8015B GRO LL		1	775914	7CF2	EET CAL 4	07/29/26 17:17
Total/NA	Prep	504.1			241939	X5FS	EA POM	07/23/26 15:35 - 07/23/26 16:20 ¹
Total/NA	Analysis	504.1		1	242202	X5FS	EA POM	07/24/26 04:00

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: 380-226421-1
SDG: Quarterly: Moanalua Wells

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: 380-226421-1
SDG: Quarterly: Moanalua Wells

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *
The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
505	505	Drinking Water	Polychlorinated biphenyls, Total
524.2		Drinking Water	1,3-Dichloropropene, Total
524.2		Drinking Water	2-Butanone (MEK)
524.2		Drinking Water	Acetone
524.2		Drinking Water	Bromodichloromethane
524.2		Drinking Water	Bromoethane
524.2		Drinking Water	Bromoform
524.2		Drinking Water	Chlorodibromomethane
524.2		Drinking Water	Chloroform (Trichloromethane)
524.2		Drinking Water	m,p-Xylenes
524.2		Drinking Water	o-Xylene
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	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Pomona

Accreditation/Certification Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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 Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor
SM 2320B		Drinking Water	Bicarbonate Alkalinity as CaCO ₃
SM 2320B		Drinking Water	Carbonate Alkalinity as CaCO ₃
SM 4500 S2 D		Drinking 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	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-28
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	07-31-28
Kansas	NELAP	E-10420	07-31-27
Nevada	State	CA00111	07-31-27
Oregon	NELAP	4175	02-02-27
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-226421-1
SDG: Quarterly: Moanalua Wells

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: 380-226421-1
SDG: Quarterly: Moanalua Wells

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-226421-1	MOANALUA WELLS (331-223-TP202)	Drinking Water	07/21/26 10:17	07/22/26 09:50	Hawaii
380-226421-2	TB:MOANALUA WELLS (331-223-TP202)	Water	07/21/26 10:17	07/22/26 09:50	Hawaii

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- 12
- 13
- 14
- 15
- 16

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: Bailey		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																																					
Address: 630 South Beretania Street; Chemistry Lab				Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>604.1_Prec, 505_LL_Prec</td> <td>2320B, 2510B, SM4500_H+</td> <td>200.7, 200.8</td> <td>2540C_Calcd - Total dissolved Solids (TDS)</td> <td>SM4500_S2_D - Sulfide, Total</td> <td>524.2_Prec_Prec, 524.2_SIM_Prec</td> <td>525.2_Prec - 525plus PLUS TICs</td> <td>300_OF_23D_B, 300_OF_280_Prec, 300_OF_48H_Prec, 4500_F_C</td> <td>245.1 - Local Method</td> <td>8015B_GRO_LL - (MOD) GRO</td> <td>8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18</td> <td>8015B_DAI - Ethanol</td> <td>625.1, 625.1_SIM</td> <td>Total Number of containers</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	604.1_Prec, 505_LL_Prec	2320B, 2510B, SM4500_H+	200.7, 200.8	2540C_Calcd - Total dissolved Solids (TDS)	SM4500_S2_D - Sulfide, Total	524.2_Prec_Prec, 524.2_SIM_Prec	525.2_Prec - 525plus PLUS TICs	300_OF_23D_B, 300_OF_280_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	625.1, 625.1_SIM	Total Number of containers																
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	604.1_Prec, 505_LL_Prec	2320B, 2510B, SM4500_H+	200.7, 200.8	2540C_Calcd - Total dissolved Solids (TDS)							SM4500_S2_D - Sulfide, Total	524.2_Prec_Prec, 524.2_SIM_Prec	525.2_Prec - 525plus PLUS TICs	300_OF_23D_B, 300_OF_280_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	625.1, 625.1_SIM	Total Number of containers																						
City: Honolulu				TAT Requested (days):																																							
State, Zip: HI, 96843				Compliance Project: ☐ No																																							
Phone: 808-748-5040 (tel)				PO #: C20525101 exp 05312023																																							
Email: kiwamoto@hbws.org				WO #:		Preservation Codes: <table border="0"> <tr> <td>A - HCL</td> <td>M - Hexane</td> </tr> <tr> <td>B - NaOH</td> <td>N - None</td> </tr> <tr> <td>C - Zn Acetate</td> <td>O - AsNaO2</td> </tr> <tr> <td>D - Nitric Acid</td> <td>P - Na2O4S</td> </tr> <tr> <td>E - NaHSO4</td> <td>Q - Na2SO3</td> </tr> <tr> <td>F - MeOH</td> <td>R - Na2S2O3</td> </tr> <tr> <td>G - Amchlor</td> <td>S - H2SO4</td> </tr> <tr> <td>H - Ascorbic Acid</td> <td>T - TSP Dodecahydrate</td> </tr> <tr> <td>I - Ice</td> <td>U - Acetone</td> </tr> <tr> <td>J - DI Water</td> <td>V - MCAA</td> </tr> <tr> <td>K - EDTA</td> <td>W - pH 4-5</td> </tr> <tr> <td>L - EDA</td> <td>Y - Trizma</td> </tr> <tr> <td colspan="2">Z - other (specify)</td> </tr> </table>						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	S - H2SO4	H - Ascorbic Acid	T - TSP Dodecahydrate	I - Ice	U - Acetone	J - DI Water	V - MCAA	K - EDTA	W - pH 4-5	L - EDA	Y - Trizma	Z - other (specify)							
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K - EDTA	W - pH 4-5																																										
L - EDA	Y - Trizma																																										
Z - other (specify)																																											
Project Name: RED-HILL				Project #: 38001111		Special Instructions/Note:  380-226421 COC																																					
Site:				SSOW#:																																							
Sample Identification				Sample Date								Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)		Preservation Code:																									
Moanalua Wells (331-223-TP202)				21-Jul-2026								1017				Water																											
TB: Moanalua Wells (331-223-TP202)				21-Jul-2026								1017																															
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																															
Deliverable Requested: I, II, III, IV, Other (specify)												Special Instructions/QC Requirements:																															
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:																																			
Relinquished by:				Date/Time: 21 JUL 2026 1400		Company: HBWS		Received by: Monrovia																																			
Relinquished by:				Date/Time:		Company:		Received by:																																			
Relinquished by:				Date/Time:		Company:		Received by:																																			
Custody Seals Intact: ☐ Yes ☐ No				Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: (631A) 2-3 + 10.0 = 2.3 96(-frozen)																																					

750 Royal Oaks Drive Suite 100
Monrovia, CA 91016
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America

Page 88 of 96

Ver: 01/16/2026

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: 21JUL26
ACTWGT: 62.00 LB
CAD: 258050552/INET4535

BILL RECIPIENT

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

POMONA CA 91768

(626) 386-1100

REF:

INV:

PO:

DEPT:



FedEx
Express



2610060100100

3 of 7

WED - 22 JUL 10:30A

PRIORITY OVERNIGHT

MPS#

8747 0203 8363

0263

Mstr# 8747 0203 8341

0201

WM ONTA

91768

CA-US ONT



(631A) 1.6 + 0.0 = 1.6 961-170761

Mount Mark Certification
7/22/26 950

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.

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Monrovia, CA 91016
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Ver: 01/16/2026

ORIGIN ID:HIKA (808) 748-5840
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Express



2610060100100

3 of 7

WED - 22 JUL 10:30A

PRIORITY OVERNIGHT

MPS#

8747 0203 8363

0263

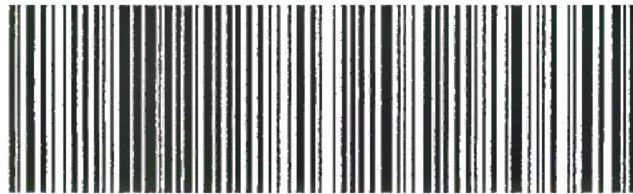
Mstr# 8747 0203 8341

0201

WM ONTA

91768

CA-US ONT



(631A) 1.6 + 0.0 = 1.6 961-170761

Mount Mark Certification
7/22/26 950

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
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Ver: 03/20/2026 8/18/2026

Ver: 03/20/2026 8/18/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-226421-1

SDG Number: Quarterly: Moanalua Wells

Login Number: 226421

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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: 380-226421-1
SDG Number: Quarterly: Moanalua Wells

Login Number: 226421

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 07/23/26 12:21 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
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 $<6\text{mm}$ (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	