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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Quarterly: Aiea Gulch Wells P2

JOB NUMBER

380-193831-1

Eurofins Pomona

Job Notes

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

Compliance Statement

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

Authorization



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

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

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

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

GC Semi VOA

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

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
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.

General Chemistry

Qualifier	Qualifier Description
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: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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: 380-193831-1

Job ID: 380-193831-1

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Job Narrative 380-193831-1

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

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

Receipt

The samples were received on 1/22/2026 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C.

Receipt Exceptions

One or more containers for the following sample was received broken or leaking: TB:AIEA GULCH WELLS P2 (380-193831-2). Received 1 of 2 vials broken for 524.2 TB and 8015B TB, enough volume was available to perform the analysis. (XWB4)

GC/MS VOA

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

GC/MS Semi VOA

Method 625.1 SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-686409 and analytical batch 570-689715 recovered outside control limits for the following analyte(s): 3-Nitroaniline, 4-Chloroaniline, Aniline and Benzidine. 3-Nitroaniline, 4-Chloroaniline, Aniline and Benzidine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 625.1 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-686409 and analytical batch 570-689715 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Chloroaniline and Aniline.

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

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

Gasoline Range Organics

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

Diesel Range Organics

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

GC Semi VOA

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

Hydrocarbons

Method 8015B: The continuing calibration verification (CCV) associated with 570-687657 recovered high and outside the control limits for Hexafluoro-2-propanol (Surr) on one column. Results are confirmed on both columns and reported from the passing column.

Method 8015B: The laboratory control sample duplicate (LCSD) for analytical batch 570-687657 recovered outside control limits for the following analytes: Ethanol. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

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Case Narrative

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

Job ID: 380-193831-1

Job ID: 380-193831-1 (Continued)

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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: AIEA GULCH WELLS P2 (380-193831-1). 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

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

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: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	100		5.0	ug/L	1		300.0	Total/NA
Chloride	82		1.0	mg/L	2		300.0	Total/NA
Nitrate as N	0.57		0.10	mg/L	2		300.0	Total/NA
Sulfate	12		0.50	mg/L	2		300.0	Total/NA
Calcium	19		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	15	^2	0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.1		0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	29		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.6		0.90	ug/L	1		200.8	Total/NA
Copper	2.2		1.0	ug/L	1		200.8	Total/NA
Selenium	2.3		2.0	ug/L	1		200.8	Total/NA
Alkalinity	53		4.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	53		4.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	390		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	240		20	mg/L	1		SM 2540C	Total/NA
pH	7.9	HF		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB:AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			02/04/26 00:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			02/04/26 00:30	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/04/26 00:30	1
1,1,1,2-Tetrachloroethane	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,1,2-Trichloroethane	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			02/04/26 00:30	1
1,1-Dichloroethylene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/04/26 00:30	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/04/26 00:30	1
1,2,3-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,2,3-Trichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,2,4-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,2,4-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/04/26 00:30	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 00:30	1
1,3,5-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,3-Dichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
1,3-Dichloropropene, Total	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 00:30	1
2-Butanone (MEK)	<5.0	^3+	5.0	ug/L			02/04/26 00:30	1
4-Methyl-2-pentanone (MIBK)	<5.0	^3+	5.0	ug/L			02/04/26 00:30	1
Acetone	<500		500	ug/L			02/04/26 00:30	1
Benzene	<0.50		0.50	ug/L			02/04/26 00:30	1
Bromobenzene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Bromochloromethane	<0.50		0.50	ug/L			02/04/26 00:30	1
Bromodichloromethane	<0.50		0.50	ug/L			02/04/26 00:30	1
Bromoethane	<0.50		0.50	ug/L			02/04/26 00:30	1
Bromoform	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/04/26 00:30	1
Carbon disulfide	<0.50		0.50	ug/L			02/04/26 00:30	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/04/26 00:30	1
Chlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Chlorodibromomethane	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Chloroethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 00:30	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/04/26 00:30	1
Chloromethane (methyl chloride)	<0.50	^3+ *+	0.50	ug/L			02/04/26 00:30	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 00:30	1
cis-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Dibromomethane	<0.50		0.50	ug/L			02/04/26 00:30	1
Dichlorodifluoromethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 00:30	1
Dichloromethane	<0.50		0.50	ug/L			02/04/26 00:30	1
Diisopropyl ether	<3.0		3.0	ug/L			02/04/26 00:30	1
Ethylbenzene	<0.50		0.50	ug/L			02/04/26 00:30	1
Hexachlorobutadiene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Isopropylbenzene	<0.50		0.50	ug/L			02/04/26 00:30	1
m,p-Xylenes	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
m-Dichlorobenzene (1,3-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1

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Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/04/26 00:30	1
Naphthalene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
n-Butylbenzene	<0.50		0.50	ug/L			02/04/26 00:30	1
N-Propylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
o-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
o-Dichlorobenzene (1,2-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
o-Xylene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
p-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/04/26 00:30	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/04/26 00:30	1
Styrene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Tert-amyl methyl ether	<3.0	^3+	3.0	ug/L			02/04/26 00:30	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/04/26 00:30	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/04/26 00:30	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/04/26 00:30	1
Toluene	<0.50		0.50	ug/L			02/04/26 00:30	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 00:30	1
trans-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/04/26 00:30	1
Trichlorofluoromethane (Freon 11)	<0.50	^3+ *+	0.50	ug/L			02/04/26 00:30	1
Trichlorotrifluoroethane	<0.50	^3+ *+	0.50	ug/L			02/04/26 00:30	1
Vinyl Chloride (VC)	<0.30	^3+ *+	0.30	ug/L			02/04/26 00:30	1
Xylenes, Total	<0.50	^3+	0.50	ug/L			02/04/26 00:30	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		02/04/26 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		02/04/26 00:30	1
4-Bromofluorobenzene (Surr)	103		70 - 130		02/04/26 00:30	1
Toluene-d8 (Surr)	99		70 - 130		02/04/26 00:30	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		02/04/26 00:30	1
4-Bromofluorobenzene (Surr)	103		70 - 130		02/04/26 00:30	1
Toluene-d8 (Surr)	99		70 - 130		02/04/26 00:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
2,4'-DDE	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
2,4'-DDT	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
4,4'-DDD	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
4,4'-DDE	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
4,4'-DDT	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Acenaphthene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Acenaphthylene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Acetochlor	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Alachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
alpha-Chlordane	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Anthracene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 14:13	1
Atrazine	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Benz(a)anthracene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Benzo[a]pyrene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 14:13	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 14:13	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 14:13	1
beta-BHC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		01/26/26 07:48	01/27/26 14:13	1
Aldrin	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Bromacil	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Butachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Butylbenzylphthalate	<0.50		0.50	ug/L		01/26/26 07:48	01/27/26 14:13	1
Chlorobenzilate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Chloroneb	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Chlorpyrifos	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Chrysene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 14:13	1
delta-BHC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		01/26/26 07:48	01/27/26 14:13	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Dieldrin	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Diethylphthalate	<0.50		0.50	ug/L		01/26/26 07:48	01/27/26 14:13	1
Dimethylphthalate	<0.50		0.50	ug/L		01/26/26 07:48	01/27/26 14:13	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		01/26/26 07:48	01/27/26 14:13	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Endosulfan sulfate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Endrin	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Endrin aldehyde	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
EPTC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Fluoranthene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Fluorene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
gamma-BHC (Lindane)	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 14:13	1
gamma-Chlordane	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Heptachlor	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Hexachlorobenzene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Isophorone	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Malathion	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Methoxychlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Metolachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Molinate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Parathion	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Phenanthrene	<0.040		0.040	ug/L		01/26/26 07:48	01/27/26 14:13	1
Propachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Pyrene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Simazine	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Terbacil	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Terbutylazine	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Thiobencarb	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		01/26/26 07:48	01/27/26 14:13	1
trans-Nonachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 14:13	1
Trifluralin	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
1-Methylnaphthalene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1
2-Methylnaphthalene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 14:13	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	01/26/26 07:48	01/27/26 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	01/26/26 07:48	01/27/26 14:13	1
Perylene-d12	92		70 - 130	01/26/26 07:48	01/27/26 14:13	1
Triphenylphosphate	103		70 - 130	01/26/26 07:48	01/27/26 14:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
2,4,5-Trichlorophenol	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
2,4,6-Trichlorophenol	<0.98		0.98	ug/L		01/24/26 09:00	02/04/26 09:02	1
2,4-Dichlorophenol	<0.98		0.98	ug/L		01/24/26 09:00	02/04/26 09:02	1
2,4-Dinitrophenol	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
2,6-Dichlorophenol	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
2-Chloronaphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
2-Chlorophenol	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
2-Methylnaphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
2-Methylphenol	<0.98		0.98	ug/L		01/24/26 09:00	02/04/26 09:02	1
2-Nitroaniline	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
2-Nitrophenol	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
3/4-Methylphenol	<2.0		2.0	ug/L		01/24/26 09:00	02/04/26 09:02	1
3-Nitroaniline	<4.9	*- *1	4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
4,6-Dinitro-2-methylphenol	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
4-Chloro-3-methylphenol	<0.98		0.98	ug/L		01/24/26 09:00	02/04/26 09:02	1
4-Chloroaniline	<4.9	*- *1	4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
4-Nitroaniline	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
4-Nitrophenol	<4.9		4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
Acenaphthene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Acenaphthylene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Aniline	<0.20	*- *1	0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzidine	<4.9	*	4.9	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzo[a]anthracene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzo[a]pyrene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzoic acid	<9.8		9.8	ug/L		01/24/26 09:00	02/04/26 09:02	1
Benzyl alcohol	<0.98	*1	0.98	ug/L		01/24/26 09:00	02/04/26 09:02	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Chrysene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Dibenzofuran	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Fluoranthene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Fluorene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Hexachloroethane	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Naphthalene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Nitrobenzene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Pentachlorophenol	<0.98		0.98	ug/L		01/24/26 09:00	02/04/26 09:02	1
Phenanthrene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1
Phenol	<0.98		0.98	ug/L		01/24/26 09:00	02/04/26 09:02	1
Pyrene	<0.20		0.20	ug/L		01/24/26 09:00	02/04/26 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		28 - 127	01/24/26 09:00	02/04/26 09:02	1
2-Fluorobiphenyl (Surr)	85		31 - 120	01/24/26 09:00	02/04/26 09:02	1
2-Fluorophenol (Surr)	53		17 - 120	01/24/26 09:00	02/04/26 09:02	1
Nitrobenzene-d5 (Surr)	80		27 - 120	01/24/26 09:00	02/04/26 09:02	1
Phenol-d6 (Surr)	34		10 - 120	01/24/26 09:00	02/04/26 09:02	1
p-Terphenyl-d14 (Surr)	76		45 - 120	01/24/26 09:00	02/04/26 09:02	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclic octaatomic sulfur	5.4	T J N	ug/L		9.83	10544-50-0	01/24/26 09:00	02/04/26 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		33 - 139	01/24/26 09:00	02/04/26 22:34	1
2-Fluorobiphenyl (Surr)	71		33 - 126	01/24/26 09:00	02/04/26 22:34	1
2-Fluorophenol (Surr)	52		12 - 120	01/24/26 09:00	02/04/26 22:34	1
Nitrobenzene-d5 (Surr)	60		36 - 120	01/24/26 09:00	02/04/26 22:34	1
Phenol-d6 (Surr)	26		10 - 120	01/24/26 09:00	02/04/26 22:34	1
p-Terphenyl-d14 (Surr)	71		47 - 131	01/24/26 09:00	02/04/26 22:34	1

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			01/27/26 20:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		38 - 134				01/27/26 20:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		01/23/26 15:33	01/23/26 23:31	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		01/23/26 15:33	01/23/26 23:31	1
1,2-Dibromoethane	<0.010		0.010	ug/L		01/23/26 15:33	01/23/26 23:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	103		60 - 140			01/23/26 15:33	01/23/26 23:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		01/23/26 13:26	01/23/26 20:09	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 20:09	1
PCB-1016	<0.070		0.070	ug/L		01/23/26 13:26	01/23/26 20:09	1
PCB-1221	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 20:09	1
PCB-1232	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 20:09	1
PCB-1242	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 20:09	1
PCB-1248	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 20:09	1
PCB-1254	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 20:09	1
PCB-1260	<0.070		0.070	ug/L		01/23/26 13:26	01/23/26 20:09	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		01/23/26 13:26	01/23/26 20:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		70 - 130			01/23/26 13:26	01/23/26 20:09	1
Tetrachloro-m-xylene	107		70 - 130			01/23/26 13:26	01/23/26 20:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		01/25/26 10:38	01/28/26 18:19	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		01/25/26 10:38	01/28/26 18:19	1
C8-C18	<26		26	ug/L		01/25/26 10:38	01/28/26 18:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	115		60 - 130			01/25/26 10:38	01/28/26 18:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10	+	0.10	mg/L			01/27/26 18:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	115		54 - 120				01/27/26 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	100		5.0	ug/L			01/28/26 01:43	1
Chloride	82		1.0	mg/L			01/22/26 16:36	2
Nitrate as N	0.57		0.10	mg/L			01/22/26 16:36	2

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	<0.10		0.10	mg/L			01/22/26 16:36	2
Sulfate	12		0.50	mg/L			01/22/26 16:36	2

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	19		0.10	mg/L			01/23/26 12:09	1
Magnesium	15	^2	0.10	mg/L			01/23/26 12:09	1
Potassium	2.1		0.20	mg/L			01/23/26 12:09	1
Sodium	29		0.10	mg/L			01/23/26 12:09	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L			01/23/26 14:07	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	ug/L			01/23/26 14:07	1
Arsenic	<1.0		1.0	ug/L			01/23/26 14:07	1
Beryllium	<0.30		0.30	ug/L			01/23/26 14:07	1
Cadmium	<0.50		0.50	ug/L			01/23/26 14:07	1
Chromium	1.6		0.90	ug/L			01/23/26 14:07	1
Copper	2.2		1.0	ug/L			01/23/26 14:07	1
Lead	<0.50		0.50	ug/L			01/23/26 14:07	1
Nickel	<5.0		5.0	ug/L			01/23/26 14:07	1
Selenium	2.3		2.0	ug/L			01/23/26 14:07	1
Silver	<0.50		0.50	ug/L			01/23/26 14:07	1
Thallium	<0.30		0.30	ug/L			01/23/26 14:07	1
Zinc	<5.0		5.0	ug/L			01/23/26 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	53		4.0	mg/L			01/23/26 20:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	53		4.0	mg/L			01/23/26 20:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0	mg/L			01/23/26 20:34	1
Specific Conductance (SM 2510B)	390		2.0	umhos/cm			01/23/26 20:34	1
Total Dissolved Solids (SM 2540C)	240		20	mg/L			01/23/26 13:46	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			01/26/26 17:50	1
pH (SM 4500 H+ B)	7.9	HF		SU			01/23/26 20:34	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			01/26/26 11:07	1

Client Sample ID: TB:AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			02/04/26 10:17	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			02/04/26 10:17	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/04/26 10:17	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: TB:AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
1,1,2-Trichloroethane	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/04/26 10:17	1
1,1-Dichlorethylene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/04/26 10:17	1
1,2,3-Trichlorobenzene	<0.50	^3+ **	0.50	ug/L			02/04/26 10:17	1
1,2,3-Trichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
1,2,4-Trichlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
1,2,4-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/04/26 10:17	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 10:17	1
1,3,5-Trimethylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
1,3-Dichloropropane	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 10:17	1
2-Butanone (MEK)	<5.0	^3+	5.0	ug/L			02/04/26 10:17	1
4-Methyl-2-pentanone (MIBK)	<5.0	^3+	5.0	ug/L			02/04/26 10:17	1
Acetone	<500		500	ug/L			02/04/26 10:17	1
Benzene	<0.50		0.50	ug/L			02/04/26 10:17	1
Bromobenzene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Bromochloromethane	<0.50		0.50	ug/L			02/04/26 10:17	1
Bromodichloromethane	<0.50		0.50	ug/L			02/04/26 10:17	1
Bromoform	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/04/26 10:17	1
Carbon disulfide	<0.50		0.50	ug/L			02/04/26 10:17	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/04/26 10:17	1
Chlorobenzene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Chlorodibromomethane	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Chloroethane	<0.50	^3+ **	0.50	ug/L			02/04/26 10:17	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/04/26 10:17	1
Dichloromethane	<0.50		0.50	ug/L			02/04/26 10:17	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 10:17	1
cis-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Dibromomethane	<0.50		0.50	ug/L			02/04/26 10:17	1
Dichlorodifluoromethane	<0.50	^3+ **	0.50	ug/L			02/04/26 10:17	1
Ethylbenzene	<0.50		0.50	ug/L			02/04/26 10:17	1
Hexachlorobutadiene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Isopropylbenzene	<0.50		0.50	ug/L			02/04/26 10:17	1
m,p-Xylenes	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
m-Dichlorobenzene (1,3-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/04/26 10:17	1
Naphthalene	<0.50	^3+ **	0.50	ug/L			02/04/26 10:17	1
n-Butylbenzene	<0.50		0.50	ug/L			02/04/26 10:17	1
N-Propylbenzene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
o-Dichlorobenzene (1,2-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
o-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
o-Xylene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
p-Chlorotoluene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/04/26 10:17	1

Client Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: TB:AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.50		0.50	ug/L			02/04/26 10:17	1
Styrene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Tert-amyl methyl ether	<3.0	^3+	3.0	ug/L			02/04/26 10:17	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/04/26 10:17	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/04/26 10:17	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/04/26 10:17	1
Toluene	<0.50		0.50	ug/L			02/04/26 10:17	1
1,3-Dichloropropene, Total	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Xylenes, Total	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 10:17	1
trans-1,3-Dichloropropene	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/04/26 10:17	1
Trichlorofluoromethane (Freon 11)	<0.50	^3+ *+	0.50	ug/L			02/04/26 10:17	1
Vinyl Chloride (VC)	<0.30	^3+	0.30	ug/L			02/04/26 10:17	1
Trichlorotrifluoroethane	<0.50	^3+	0.50	ug/L			02/04/26 10:17	1
Bromoethane	<0.50		0.50	ug/L			02/04/26 10:17	1
Chloromethane (methyl chloride)	<0.50	^3+ *+	0.50	ug/L			02/04/26 10:17	1
Diisopropyl ether	<3.0		3.0	ug/L			02/04/26 10:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.51	T J	ug/L		2.23	N/A		02/04/26 10:17	1
Unknown	6.2	T J	ug/L		9.02	N/A		02/04/26 10:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		02/04/26 10:17	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		02/04/26 10:17	1
4-Bromofluorobenzene (Surr)	99		70 - 130		02/04/26 10:17	1
4-Bromofluorobenzene (Surr)	99		70 - 130		02/04/26 10:17	1
Toluene-d8 (Surr)	99		70 - 130		02/04/26 10:17	1
Toluene-d8 (Surr)	99		70 - 130		02/04/26 10:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			01/28/26 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		38 - 134		01/28/26 01:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		01/23/26 15:33	01/23/26 23:52	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		01/23/26 15:33	01/23/26 23:52	1
1,2-Dibromoethane	<0.010		0.010	ug/L		01/23/26 15:33	01/23/26 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	101		60 - 140	01/23/26 15:33	01/23/26 23:52	1

Action Limit Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

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	EPAMCL	EPAMCL	Method	Prep Type
				Limit	Limit	S		
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50	^3+	ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50	^3+	ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50	^3+	ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50	^3+	ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50	^3+	ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50	^3+	ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50	^3+	ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50	^3+	ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50	^3+	ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100		524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Vinyl Chloride (VC)	<0.30	^3+ *+	ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50	^3+	ug/L	10000	10000		524.2	Total/NA
Alachlor	<0.050		ug/L		2		525.2	Total/NA
Atrazine	<0.050		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L		400		525.2	Total/NA
Endrin	<0.0099		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0099		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0099		ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0099		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.050		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.050		ug/L		50		525.2	Total/NA
Methoxychlor	<0.050		ug/L		40		525.2	Total/NA
Simazine	<0.050		ug/L		4		525.2	Total/NA
Benzo[a]pyrene - RA	<0.20		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol - RA	<0.98		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.)	<0.10		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA

Euofins Pomona

Action Limit Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2 (Continued)

Lab Sample ID: 380-193831-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	EPAMCL	Method	Prep Type
						S		
Chloride	82		mg/L			250	300.0	Total/NA
Nitrate as N	0.57		mg/L		10		300.0	Total/NA
Nitrite as N	<0.10		mg/L		1		300.0	Total/NA
Sulfate	12		mg/L			250	300.0	Total/NA
Mercury	<0.20		ug/L		2		200.8	Total/NA
Antimony	<1.0		ug/L		6		200.8	Total/NA
Arsenic	<1.0		ug/L		10		200.8	Total/NA
Beryllium	<0.30		ug/L		4		200.8	Total/NA
Cadmium	<0.50		ug/L		5		200.8	Total/NA
Chromium	1.6		ug/L		100		200.8	Total/NA
Copper	2.2		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		10.00		200.8	Total/NA
Selenium	2.3		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	240		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.9	HF	SU			6.5	SM 4500 H+ B	Total/NA

Client Sample ID: TB:AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-2

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
1,1,2-Trichloroethane	<0.50	^3+	ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichloroethylene	<0.50	^3+	ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50	^3+	ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50	^3+	ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Bromoform	<0.50	^3+	ug/L		80	0.50	524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Chlorobenzene	<0.50	^3+	ug/L	100.0	100	0.50	524.2	Total/NA
Chlorodibromomethane	<0.50	^3+	ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
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	^3+	ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50	^3+	ug/L	75.000	75	0.50	524.2	Total/NA
Styrene	<0.50	^3+	ug/L	100.0	100	0.50	524.2	Total/NA

Eurofins Pomona

Action Limit Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: TB:AIEA GULCH WELLS P2 (Continued)

Lab Sample ID: 380-193831-2

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
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	^3+	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	^3+	ug/L	2.000	2	0.30	524.2	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000		0.020	504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2	0.010	504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05	0.010	504.1	Total/NA

Surrogate Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		DCA (70-130)	DCA (70-130)	BFB (70-130)	BFB (70-130)	TOL (70-130)	TOL (70-130)
380-193831-1	AIEA GULCH WELLS P2	100	100	103	103	99	99
380-193831-2	TB:AIEA GULCH WELLS P2	104	104	99	99	99	99
LCS 380-203171/5	Lab Control Sample	102	102	102	102	101	101
LCS 380-203204/3	Lab Control Sample	100	100	97	97	101	101
LCSD 380-203171/6	Lab Control Sample Dup	102	102	99	99	100	100
LCSD 380-203204/4	Lab Control Sample Dup	104	104	100	100	100	100
MB 380-203171/8	Method Blank	104	104	102	102	99	99
MB 380-203204/5	Method Blank	107	107	98	98	99	99
MRL 380-203171/3	Lab Control Sample	100	100	104	104	99	99
MRL 380-203171/4	Lab Control Sample	99	99	99	99	101	101

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-193831-1	AIEA GULCH WELLS P2	97	92	103
380-193902-B-1-A MS	Matrix Spike	96	99	105
380-193911-B-1-A DU	Duplicate	96	89	105
LCS 380-200931/23-A	Lab Control Sample	98	100	109
MB 380-200931/21-A	Method Blank	97	87	105
MRL 380-200931/22-A	Lab Control Sample	97	91	104

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-193831-1	AIEA GULCH WELLS P2	66	71	52	60	26	71
MB 570-686409/1-A	Method Blank	98	95	73	86	37	102

Surrogate Legend

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

Surrogate Summary

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

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)
380-193831-1 - RA	AIEA GULCH WELLS P2	82	85	53	80	34	76
LCS 570-686409/2-A	Lab Control Sample	105	88	69	96	44	99
LCSD 570-686409/3-A	Lab Control Sample Dup	95	80	58	82	38	91
MB 570-686409/1-A	Method Blank	97	87	59	89	37	82

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-193582-X-1 MS	Matrix Spike	97
380-193582-Y-1 MSD	Matrix Spike Duplicate	92
380-193831-1	AIEA GULCH WELLS P2	96
380-193831-2	TB:AIEA GULCH WELLS P2	94
LCS 570-687650/3	Lab Control Sample	86
LCSD 570-687650/4	Lab Control Sample Dup	93
MB 570-687650/5	Method Blank	85
MRL 570-687650/6	Lab Control Sample	86

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DBPP1 (60-140)
380-193778-G-1-A MS	Matrix Spike	108
380-193779-G-1-A DU	Duplicate	93
380-193831-1	AIEA GULCH WELLS P2	103
380-193831-2	TB:AIEA GULCH WELLS P2	101
LCS 380-200585/29-A	Lab Control Sample	100
MBL 380-200585/4-A	Method Blank	98
MRL 380-200585/2-A	Lab Control Sample	98
MRL 380-200585/3-A	Lab Control Sample	94

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Surrogate Summary

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX1 (70-130)	TCX2 (70-130)
380-193784-C-1-A MS	Matrix Spike	101	
380-193784-D-1-A MS	Matrix Spike		99
380-193794-B-1-A MS	Matrix Spike	100	
380-193794-D-1-A MS	Matrix Spike		105
380-193831-1	AIEA GULCH WELLS P2	105	107
LCS 380-200446/28-A	Lab Control Sample	111	
LCS 380-200446/29-A	Lab Control Sample		103
LCS 380-200446/31-A	Lab Control Sample	106	
LCSD 380-200446/30-A	Lab Control Sample Dup		95
MB 380-200446/3-A	Method Blank	99	100
MRL 380-200446/1-A	Lab Control Sample	98	
MRL 380-200446/2-A	Lab Control Sample		102

Surrogate Legend
 TCX = Tetrachloro-m-xylene

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)	
380-193831-1	AIEA GULCH WELLS P2	115	
380-194233-C-1-A MS	Matrix Spike	120	
380-194233-D-1-A MSD	Matrix Spike Duplicate	115	
LCS 570-686737/2-A	Lab Control Sample	92	
LCSD 570-686737/3-A	Lab Control Sample Dup	102	
MB 570-686737/1-A	Method Blank	117	
MRL 570-686737/4-A	Lab Control Sample	121	

Surrogate Legend
 OTCSN = n-Octacosane (Surr)

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	HF2PP1 (54-120)	
380-193831-1	AIEA GULCH WELLS P2	115	
570-263912-C-1 MS	Matrix Spike	111	
570-263912-C-1 MSD	Matrix Spike Duplicate	102	
LCS 570-687657/5	Lab Control Sample	117	
LCSD 570-687657/6	Lab Control Sample Dup	115	
MB 570-687657/3	Method Blank	113	
MRL 570-687657/4	Lab Control Sample	75	

Surrogate Legend
 HF2PP = Hexafluoro-2-propanol (Surr)

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			02/03/26 20:22	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
1,3-Dichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/03/26 20:22	1
2-Butanone (MEK)	<5.0		5.0	ug/L			02/03/26 20:22	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			02/03/26 20:22	1
Acetone	<500		500	ug/L			02/03/26 20:22	1
Benzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromochloromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromodichloromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromoform	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/03/26 20:22	1
Carbon disulfide	<0.50		0.50	ug/L			02/03/26 20:22	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/03/26 20:22	1
Chlorobenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Chlorodibromomethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Chloroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/03/26 20:22	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 20:22	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 20:22	1
Dibromomethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Dichloromethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Ethylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Hexachlorobutadiene	<0.50		0.50	ug/L			02/03/26 20:22	1
Isopropylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
m,p-Xylenes	<0.50		0.50	ug/L			02/03/26 20:22	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			02/03/26 20:22	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/03/26 20:22	1
Naphthalene	<0.50		0.50	ug/L			02/03/26 20:22	1
n-Butylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
N-Propylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
o-Chlorotoluene	<0.50		0.50	ug/L			02/03/26 20:22	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			02/03/26 20:22	1

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	ug/L			02/03/26 20:22	1
p-Chlorotoluene	<0.50		0.50	ug/L			02/03/26 20:22	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			02/03/26 20:22	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/03/26 20:22	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Styrene	<0.50		0.50	ug/L			02/03/26 20:22	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			02/03/26 20:22	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			02/03/26 20:22	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/03/26 20:22	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/03/26 20:22	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/03/26 20:22	1
Toluene	<0.50		0.50	ug/L			02/03/26 20:22	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/03/26 20:22	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			02/03/26 20:22	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/03/26 20:22	1
Bromoethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			02/03/26 20:22	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			02/03/26 20:22	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			02/03/26 20:22	1
Diisopropyl ether	<3.0		3.0	ug/L			02/03/26 20:22	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			02/03/26 20:22	1
Xylenes, Total	<0.50		0.50	ug/L			02/03/26 20:22	1

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

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.24		ug/L		105	70 - 130
1,1,1-Trichloroethane	5.00	5.51		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.96		ug/L		119	70 - 130
1,1,2-Trichloroethane	5.00	5.51		ug/L		110	70 - 130
1,1-Dichloroethane	5.00	5.80		ug/L		116	70 - 130
1,1-Dichlorethylene	5.00	6.02		ug/L		120	70 - 130
1,1-Dichloropropene	5.00	5.99		ug/L		120	70 - 130
1,2,3-Trichlorobenzene	5.00	5.08		ug/L		102	70 - 130
1,2,3-Trichloropropane	5.00	5.71		ug/L		114	70 - 130
1,2,4-Trichlorobenzene	5.00	5.04		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	5.00	5.38		ug/L		108	70 - 130
1,2-Dichloroethane	5.00	5.48		ug/L		110	70 - 130

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	5.00	5.67		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	5.00	5.69		ug/L		114	70 - 130
1,3-Dichloropropane	5.00	5.81		ug/L		116	70 - 130
2,2-Dichloropropane	5.00	5.60		ug/L		112	70 - 130
2-Butanone (MEK)	50.0	55.3		ug/L		111	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	57.3		ug/L		115	70 - 130
Acetone	50.0	51.6	J	ug/L		103	70 - 130
Benzene	5.00	5.97		ug/L		119	70 - 130
Bromobenzene	5.00	5.45		ug/L		109	70 - 130
Bromochloromethane	5.00	5.74		ug/L		115	70 - 130
Bromodichloromethane	5.00	5.67		ug/L		113	70 - 130
Bromoform	5.00	5.47		ug/L		109	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.99		ug/L		120	70 - 130
Carbon disulfide	5.00	5.25		ug/L		105	70 - 130
Carbon tetrachloride	5.00	5.27		ug/L		105	70 - 130
Chlorobenzene	5.00	5.71		ug/L		114	70 - 130
Chlorodibromomethane	5.00	5.48		ug/L		110	70 - 130
cis-1,3-Dichloropropene	5.00	5.21		ug/L		104	70 - 130
Dichloromethane	5.00	5.73		ug/L		115	70 - 130
Ethylbenzene	5.00	5.87		ug/L		117	70 - 130
Hexachlorobutadiene	5.00	4.72		ug/L		94	70 - 130
Isopropylbenzene	5.00	5.68		ug/L		114	70 - 130
m,p-Xylenes	10.0	11.9		ug/L		119	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.63		ug/L		113	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	5.19		ug/L		104	70 - 130
Naphthalene	5.00	5.16		ug/L		103	70 - 130
n-Butylbenzene	5.00	5.12		ug/L		102	70 - 130
N-Propylbenzene	5.00	5.85		ug/L		117	70 - 130
o-Chlorotoluene	5.00	5.77		ug/L		115	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.52		ug/L		110	70 - 130
o-Xylene	5.00	5.79		ug/L		116	70 - 130
p-Chlorotoluene	5.00	5.84		ug/L		117	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.74		ug/L		115	70 - 130
p-Isopropyltoluene	5.00	5.44		ug/L		109	70 - 130
sec-Butylbenzene	5.00	5.48		ug/L		110	70 - 130
Styrene	5.00	5.76		ug/L		115	70 - 130
Tert-amyl methyl ether	5.00	5.33		ug/L		107	70 - 130
1,3-Dichloropropene, Total	10.0	10.2		ug/L		102	70 - 130
Tert-butyl ethyl ether	5.00	5.57		ug/L		111	70 - 130
tert-Butylbenzene	5.00	5.37		ug/L		107	70 - 130
Tetrachloroethene (PCE)	5.00	5.70		ug/L		114	70 - 130
Toluene	5.00	5.66		ug/L		113	70 - 130
trans-1,2-Dichloroethylene	5.00	5.40		ug/L		108	70 - 130
trans-1,3-Dichloropropene	5.00	4.94		ug/L		99	70 - 130
Trichloroethylene (TCE)	5.00	5.65		ug/L		113	70 - 130
Bromoethane	5.00	5.23		ug/L		105	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	7.74	*+	ug/L		155	70 - 130
Trichlorotrifluoroethane	5.00	6.84	*+	ug/L		137	70 - 130

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diisopropyl ether	5.00	5.37		ug/L		107	70 - 130
Vinyl Chloride (VC)	5.00	7.05	*+	ug/L		141	70 - 130
Xylenes, Total	15.0	17.7		ug/L		118	70 - 130

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.09		ug/L		102	70 - 130	3	20
1,1,1-Trichloroethane	5.00	5.20		ug/L		104	70 - 130	6	20
1,1,2,2-Tetrachloroethane	5.00	5.69		ug/L		114	70 - 130	5	20
1,1,2-Trichloroethane	5.00	5.18		ug/L		104	70 - 130	6	20
1,1-Dichloroethane	5.00	5.54		ug/L		111	70 - 130	5	20
1,1-Dichlorethylene	5.00	5.68		ug/L		114	70 - 130	6	20
1,1-Dichloropropene	5.00	5.76		ug/L		115	70 - 130	4	20
1,2,3-Trichlorobenzene	5.00	6.00		ug/L		120	70 - 130	17	20
1,2,3-Trichloropropane	5.00	5.64		ug/L		113	70 - 130	1	20
1,2,4-Trichlorobenzene	5.00	5.38		ug/L		108	70 - 130	6	20
1,2,4-Trimethylbenzene	5.00	5.29		ug/L		106	70 - 130	2	20
1,2-Dichloroethane	5.00	5.46		ug/L		109	70 - 130	0	20
1,2-Dichloropropane	5.00	5.36		ug/L		107	70 - 130	5	20
1,3,5-Trimethylbenzene	5.00	5.42		ug/L		108	70 - 130	5	20
1,3-Dichloropropane	5.00	5.69		ug/L		114	70 - 130	2	20
2,2-Dichloropropane	5.00	5.37		ug/L		107	70 - 130	4	20
2-Butanone (MEK)	50.0	54.6		ug/L		109	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	50.0	56.4		ug/L		113	70 - 130	2	20
Acetone	50.0	50.3	J	ug/L		101	70 - 130	3	20
Benzene	5.00	5.74		ug/L		115	70 - 130	4	20
Bromobenzene	5.00	5.35		ug/L		107	70 - 130	2	20
Bromochloromethane	5.00	5.45		ug/L		109	70 - 130	5	20
Bromodichloromethane	5.00	5.37		ug/L		107	70 - 130	5	20
Bromoform	5.00	5.36		ug/L		107	70 - 130	2	20
Bromomethane (Methyl Bromide)	5.00	5.79		ug/L		116	70 - 130	3	20
Carbon disulfide	5.00	5.32		ug/L		106	70 - 130	1	20
Carbon tetrachloride	5.00	4.97		ug/L		99	70 - 130	6	20
Chlorobenzene	5.00	5.58		ug/L		112	70 - 130	2	20
Chlorodibromomethane	5.00	5.46		ug/L		109	70 - 130	0	20
cis-1,3-Dichloropropene	5.00	5.04		ug/L		101	70 - 130	3	20
Dichloromethane	5.00	5.50		ug/L		110	70 - 130	4	20
Ethylbenzene	5.00	5.65		ug/L		113	70 - 130	4	20
Hexachlorobutadiene	5.00	5.00		ug/L		100	70 - 130	6	20
Isopropylbenzene	5.00	5.45		ug/L		109	70 - 130	4	20

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	10.0	11.7		ug/L		117	70 - 130	2	20
m-Dichlorobenzene (1,3-DCB)	5.00	5.40		ug/L		108	70 - 130	4	20
Methyl-tert-butyl Ether (MTBE)	5.00	5.05		ug/L		101	70 - 130	3	20
Naphthalene	5.00	6.32		ug/L		126	70 - 130	20	20
n-Butylbenzene	5.00	5.08		ug/L		102	70 - 130	1	20
N-Propylbenzene	5.00	5.57		ug/L		111	70 - 130	5	20
o-Chlorotoluene	5.00	5.39		ug/L		108	70 - 130	7	20
o-Dichlorobenzene (1,2-DCB)	5.00	5.48		ug/L		110	70 - 130	1	20
o-Xylene	5.00	5.55		ug/L		111	70 - 130	4	20
p-Chlorotoluene	5.00	5.46		ug/L		109	70 - 130	7	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.52		ug/L		110	70 - 130	4	20
p-Isopropyltoluene	5.00	5.15		ug/L		103	70 - 130	5	20
sec-Butylbenzene	5.00	5.20		ug/L		104	70 - 130	5	20
Styrene	5.00	5.57		ug/L		111	70 - 130	3	20
Tert-amyl methyl ether	5.00	5.29		ug/L		106	70 - 130	1	20
1,3-Dichloropropene, Total	10.0	10.1		ug/L		101	70 - 130	0	20
Tert-butyl ethyl ether	5.00	5.42		ug/L		108	70 - 130	3	20
tert-Butylbenzene	5.00	5.09		ug/L		102	70 - 130	5	20
Tetrachloroethene (PCE)	5.00	5.35		ug/L		107	70 - 130	6	20
Toluene	5.00	5.42		ug/L		108	70 - 130	5	20
trans-1,2-Dichloroethylene	5.00	5.35		ug/L		107	70 - 130	1	20
trans-1,3-Dichloropropene	5.00	5.08		ug/L		102	70 - 130	3	20
Trichloroethylene (TCE)	5.00	5.41		ug/L		108	70 - 130	4	20
Bromoethane	5.00	4.99		ug/L		100	70 - 130	5	20
Trichlorofluoromethane (Freon 11)	5.00	7.25	*+	ug/L		145	70 - 130	6	20
Trichlorotrifluoroethane	5.00	6.31		ug/L		126	70 - 130	8	20
Diisopropyl ether	5.00	5.29		ug/L		106	70 - 130	2	20
Vinyl Chloride (VC)	5.00	6.53	*+	ug/L		131	70 - 130	8	20
Xylenes, Total	15.0	17.2		ug/L		115	70 - 130	3	20

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

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylenes	0.500	0.898	^3+	ug/L		180	50 - 150
Vinyl Chloride (VC)	0.250	0.574	^3+	ug/L		229	50 - 150

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

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.500	0.648		ug/L		130	50 - 150
1,1,1-Trichloroethane	0.500	0.607		ug/L		121	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.989	^3+	ug/L		198	50 - 150
1,1,2-Trichloroethane	0.500	0.799	^3+	ug/L		160	50 - 150
1,1-Dichloroethane	0.500	0.696		ug/L		139	50 - 150
1,1-Dichlorethylene	0.500	0.791	^3+	ug/L		158	50 - 150
1,1-Dichloropropene	0.500	0.738		ug/L		148	50 - 150
1,2,3-Trichlorobenzene	0.500	1.14	^3+	ug/L		228	50 - 150
1,2,3-Trichloropropane	0.500	0.921	^3+	ug/L		184	50 - 150
1,2,4-Trichlorobenzene	0.500	0.909	^3+	ug/L		182	50 - 150
1,2,4-Trimethylbenzene	0.500	0.754	^3+	ug/L		151	50 - 150
1,2-Dichloroethane	0.500	0.698		ug/L		140	50 - 150
1,2-Dichloropropane	0.500	0.728		ug/L		146	50 - 150
1,3,5-Trimethylbenzene	0.500	0.769	^3+	ug/L		154	50 - 150
1,3-Dichloropropane	0.500	0.800	^3+	ug/L		160	50 - 150
2,2-Dichloropropane	0.500	0.644		ug/L		129	50 - 150
2-Butanone (MEK)	5.00	9.88	^3+	ug/L		198	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	8.86	^3+	ug/L		177	50 - 150
Acetone	5.00	6.04	J	ug/L		121	50 - 150
Benzene	0.500	0.717		ug/L		143	50 - 150
Bromobenzene	0.500	0.830	^3+	ug/L		166	50 - 150
Bromochloromethane	0.500	0.718		ug/L		144	50 - 150
Bromodichloromethane	0.500	0.626		ug/L		125	50 - 150
Bromoform	0.500	0.878	^3+	ug/L		176	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.668		ug/L		134	50 - 150
Carbon disulfide	0.500	0.544		ug/L		109	50 - 150
Carbon tetrachloride	0.500	0.607		ug/L		121	50 - 150
Chlorobenzene	0.500	0.782	^3+	ug/L		156	50 - 150
Chlorodibromomethane	0.500	0.879	^3+	ug/L		176	50 - 150
cis-1,3-Dichloropropene	0.500	0.814	^3+	ug/L		163	50 - 150
Dichloromethane	0.500	0.744		ug/L		149	50 - 150
Ethylbenzene	0.500	0.731		ug/L		146	50 - 150
Hexachlorobutadiene	0.500	0.802	^3+	ug/L		160	50 - 150
Isopropylbenzene	0.500	0.739		ug/L		148	50 - 150
m,p-Xylenes	1.00	1.49		ug/L		149	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.898	^3+	ug/L		180	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.706		ug/L		141	50 - 150
Naphthalene	0.500	1.05	^3+	ug/L		211	50 - 150
n-Butylbenzene	0.500	0.740		ug/L		148	50 - 150
N-Propylbenzene	0.500	0.787	^3+	ug/L		157	50 - 150
o-Chlorotoluene	0.500	0.805	^3+	ug/L		161	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.935	^3+	ug/L		187	50 - 150
o-Xylene	0.500	0.780	^3+	ug/L		156	50 - 150
p-Chlorotoluene	0.500	0.844	^3+	ug/L		169	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.910	^3+	ug/L		182	50 - 150
p-Isopropyltoluene	0.500	0.712		ug/L		142	50 - 150
sec-Butylbenzene	0.500	0.703		ug/L		141	50 - 150
Styrene	0.500	0.760	^3+	ug/L		152	50 - 150

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Tert-amyl methyl ether	0.500	0.765	J ^3+	ug/L		153	50 - 150
1,3-Dichloropropene, Total	1.00	1.69	^3+	ug/L		169	50 - 150
Tert-butyl ethyl ether	0.500	0.751	J	ug/L		150	50 - 150
tert-Butylbenzene	0.500	0.745		ug/L		149	50 - 150
Tetrachloroethene (PCE)	0.500	0.692		ug/L		138	50 - 150
Toluene	0.500	0.673		ug/L		135	50 - 150
trans-1,2-Dichloroethylene	0.500	0.710		ug/L		142	50 - 150
trans-1,3-Dichloropropene	0.500	0.876	^3+	ug/L		175	50 - 150
Trichloroethylene (TCE)	0.500	0.672		ug/L		134	50 - 150
Bromoethane	0.500	0.615		ug/L		123	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.989	^3+	ug/L		198	50 - 150
Trichlorotrifluoroethane	0.500	0.855	^3+	ug/L		171	50 - 150
Diisopropyl ether	0.500	0.705	J	ug/L		141	50 - 150
Vinyl Chloride (VC)	0.500	0.833	^3+	ug/L		167	50 - 150
Xylenes, Total	1.50	2.27	^3+	ug/L		151	50 - 150

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

Lab Sample ID: MB 380-203204/5
Matrix: Water
Analysis Batch: 203204

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			02/04/26 09:54	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
1,1-Dichloroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			02/04/26 09:54	1
1,1-Dichloropropene	<0.50		0.50	ug/L			02/04/26 09:54	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			02/04/26 09:54	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
1,2-Dichloroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
1,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 09:54	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
1,3-Dichloropropane	<0.50		0.50	ug/L			02/04/26 09:54	1
2,2-Dichloropropane	<0.50		0.50	ug/L			02/04/26 09:54	1
2-Butanone (MEK)	<5.0		5.0	ug/L			02/04/26 09:54	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			02/04/26 09:54	1
Acetone	<500		500	ug/L			02/04/26 09:54	1
Benzene	<0.50		0.50	ug/L			02/04/26 09:54	1
Bromobenzene	<0.50		0.50	ug/L			02/04/26 09:54	1

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QC Sample Results

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: MB 380-203204/5
Matrix: Water
Analysis Batch: 203204

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			02/04/26 09:54	1
Bromodichloromethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Bromoform	<0.50		0.50	ug/L			02/04/26 09:54	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			02/04/26 09:54	1
Carbon disulfide	<0.50		0.50	ug/L			02/04/26 09:54	1
Carbon tetrachloride	<0.50		0.50	ug/L			02/04/26 09:54	1
Chlorobenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
Chlorodibromomethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Chloroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			02/04/26 09:54	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 09:54	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			02/04/26 09:54	1
Dibromomethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Dichloromethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Ethylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
Hexachlorobutadiene	<0.50		0.50	ug/L			02/04/26 09:54	1
Isopropylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
m,p-Xylenes	<0.50		0.50	ug/L			02/04/26 09:54	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			02/04/26 09:54	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			02/04/26 09:54	1
Naphthalene	<0.50		0.50	ug/L			02/04/26 09:54	1
n-Butylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
N-Propylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
o-Chlorotoluene	<0.50		0.50	ug/L			02/04/26 09:54	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			02/04/26 09:54	1
o-Xylene	<0.50		0.50	ug/L			02/04/26 09:54	1
p-Chlorotoluene	<0.50		0.50	ug/L			02/04/26 09:54	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			02/04/26 09:54	1
p-Isopropyltoluene	<0.50		0.50	ug/L			02/04/26 09:54	1
sec-Butylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
Styrene	<0.50		0.50	ug/L			02/04/26 09:54	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			02/04/26 09:54	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			02/04/26 09:54	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			02/04/26 09:54	1
tert-Butylbenzene	<0.50		0.50	ug/L			02/04/26 09:54	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			02/04/26 09:54	1
Toluene	<0.50		0.50	ug/L			02/04/26 09:54	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			02/04/26 09:54	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			02/04/26 09:54	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			02/04/26 09:54	1
Bromoethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			02/04/26 09:54	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			02/04/26 09:54	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			02/04/26 09:54	1
Diisopropyl ether	<3.0		3.0	ug/L			02/04/26 09:54	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			02/04/26 09:54	1
Xylenes, Total	<0.50		0.50	ug/L			02/04/26 09:54	1

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: MB 380-203204/5
Matrix: Water
Analysis Batch: 203204

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>		<i>ug/L</i>			<i>N/A</i>		<i>02/04/26 09:54</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>107</i>		<i>70 - 130</i>		<i>02/04/26 09:54</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>98</i>		<i>70 - 130</i>		<i>02/04/26 09:54</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>70 - 130</i>		<i>02/04/26 09:54</i>	<i>1</i>

Lab Sample ID: LCS 380-203204/3
Matrix: Water
Analysis Batch: 203204

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1,1,2-Tetrachloroethane	5.00	5.27		ug/L		105	70 - 130
1,1,1-Trichloroethane	5.00	4.97		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	5.00	6.10		ug/L		122	70 - 130
1,1,2-Trichloroethane	5.00	5.56		ug/L		111	70 - 130
1,1-Dichloroethane	5.00	5.40		ug/L		108	70 - 130
1,1-Dichlorethylene	5.00	5.58		ug/L		112	70 - 130
1,1-Dichloropropene	5.00	5.57		ug/L		111	70 - 130
1,2,3-Trichlorobenzene	5.00	7.39	*+	ug/L		148	70 - 130
1,2,3-Trichloropropane	5.00	5.76		ug/L		115	70 - 130
1,2,4-Trichlorobenzene	5.00	5.95		ug/L		119	70 - 130
1,2,4-Trimethylbenzene	5.00	5.59		ug/L		112	70 - 130
1,2-Dichloroethane	5.00	5.59		ug/L		112	70 - 130
1,2-Dichloropropane	5.00	5.47		ug/L		109	70 - 130
1,3,5-Trimethylbenzene	5.00	5.80		ug/L		116	70 - 130
1,3-Dichloropropane	5.00	5.92		ug/L		118	70 - 130
2,2-Dichloropropane	5.00	4.14		ug/L		83	70 - 130
2-Butanone (MEK)	50.0	55.4		ug/L		111	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	59.7		ug/L		119	70 - 130
Acetone	50.0	54.1	J	ug/L		108	70 - 130
Benzene	5.00	5.59		ug/L		112	70 - 130
Bromobenzene	5.00	5.54		ug/L		111	70 - 130
Bromochloromethane	5.00	5.40		ug/L		108	70 - 130
Bromodichloromethane	5.00	5.57		ug/L		111	70 - 130
Bromoform	5.00	5.33		ug/L		107	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.41		ug/L		108	70 - 130
Carbon disulfide	5.00	4.89		ug/L		98	70 - 130
Carbon tetrachloride	5.00	4.91		ug/L		98	70 - 130
Chlorobenzene	5.00	5.88		ug/L		118	70 - 130
Chlorodibromomethane	5.00	5.48		ug/L		110	70 - 130
cis-1,3-Dichloropropene	5.00	5.04		ug/L		101	70 - 130
Dichloromethane	5.00	5.18		ug/L		104	70 - 130
Ethylbenzene	5.00	5.91		ug/L		118	70 - 130
Hexachlorobutadiene	5.00	5.57		ug/L		111	70 - 130
Isopropylbenzene	5.00	5.66		ug/L		113	70 - 130
m,p-Xylenes	10.0	12.0		ug/L		120	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.64		ug/L		113	70 - 130

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCS 380-203204/3
Matrix: Water
Analysis Batch: 203204

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	5.04		ug/L		101	70 - 130
Naphthalene	5.00	6.99	*+	ug/L		140	70 - 130
n-Butylbenzene	5.00	5.54		ug/L		111	70 - 130
N-Propylbenzene	5.00	5.88		ug/L		118	70 - 130
o-Chlorotoluene	5.00	5.68		ug/L		114	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.72		ug/L		114	70 - 130
o-Xylene	5.00	5.84		ug/L		117	70 - 130
p-Chlorotoluene	5.00	5.84		ug/L		117	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.84		ug/L		117	70 - 130
p-Isopropyltoluene	5.00	5.66		ug/L		113	70 - 130
sec-Butylbenzene	5.00	5.63		ug/L		113	70 - 130
Styrene	5.00	5.93		ug/L		119	70 - 130
Tert-amyl methyl ether	5.00	5.41		ug/L		108	70 - 130
1,3-Dichloropropene, Total	10.0	10.1		ug/L		101	70 - 130
Tert-butyl ethyl ether	5.00	5.52		ug/L		110	70 - 130
tert-Butylbenzene	5.00	5.54		ug/L		111	70 - 130
Tetrachloroethene (PCE)	5.00	5.36		ug/L		107	70 - 130
Toluene	5.00	5.49		ug/L		110	70 - 130
trans-1,2-Dichloroethylene	5.00	4.97		ug/L		99	70 - 130
trans-1,3-Dichloropropene	5.00	5.03		ug/L		101	70 - 130
Trichloroethylene (TCE)	5.00	5.22		ug/L		104	70 - 130
Bromoethane	5.00	4.70		ug/L		94	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	7.34	*+	ug/L		147	70 - 130
Trichlorotrifluoroethane	5.00	6.31		ug/L		126	70 - 130
Diisopropyl ether	5.00	5.29		ug/L		106	70 - 130
Vinyl Chloride (VC)	5.00	6.33		ug/L		127	70 - 130
Xylenes, Total	15.0	17.8		ug/L		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	97		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 380-203204/4
Matrix: Water
Analysis Batch: 203204

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	5.28		ug/L		106	70 - 130	0	20
1,1,1-Trichloroethane	5.00	5.00		ug/L		100	70 - 130	1	20
1,1,1,2-Tetrachloroethane	5.00	5.83		ug/L		117	70 - 130	4	20
1,1,2-Trichloroethane	5.00	5.67		ug/L		113	70 - 130	2	20
1,1-Dichloroethane	5.00	5.28		ug/L		106	70 - 130	2	20
1,1-Dichloroethylene	5.00	5.58		ug/L		112	70 - 130	0	20
1,1-Dichloropropene	5.00	5.46		ug/L		109	70 - 130	2	20
1,2,3-Trichlorobenzene	5.00	6.34		ug/L		127	70 - 130	15	20
1,2,3-Trichloropropane	5.00	5.70		ug/L		114	70 - 130	1	20
1,2,4-Trichlorobenzene	5.00	5.65		ug/L		113	70 - 130	5	20

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCSD 380-203204/4
Matrix: Water
Analysis Batch: 203204

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	5.00	5.54		ug/L		111	70 - 130	1	20
1,2-Dichloroethane	5.00	5.44		ug/L		109	70 - 130	3	20
1,2-Dichloropropane	5.00	5.47		ug/L		109	70 - 130	0	20
1,3,5-Trimethylbenzene	5.00	5.72		ug/L		114	70 - 130	2	20
1,3-Dichloropropane	5.00	5.68		ug/L		114	70 - 130	4	20
2,2-Dichloropropane	5.00	4.11		ug/L		82	70 - 130	1	20
2-Butanone (MEK)	50.0	54.2		ug/L		108	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	50.0	58.2		ug/L		116	70 - 130	3	20
Acetone	50.0	50.7	J	ug/L		101	70 - 130	6	20
Benzene	5.00	5.53		ug/L		111	70 - 130	1	20
Bromobenzene	5.00	5.48		ug/L		110	70 - 130	1	20
Bromochloromethane	5.00	5.38		ug/L		108	70 - 130	1	20
Bromodichloromethane	5.00	5.55		ug/L		111	70 - 130	0	20
Bromoform	5.00	5.41		ug/L		108	70 - 130	2	20
Bromomethane (Methyl Bromide)	5.00	5.11		ug/L		102	70 - 130	6	20
Carbon disulfide	5.00	4.78		ug/L		96	70 - 130	2	20
Carbon tetrachloride	5.00	4.91		ug/L		98	70 - 130	0	20
Chlorobenzene	5.00	5.69		ug/L		114	70 - 130	3	20
Chlorodibromomethane	5.00	5.54		ug/L		111	70 - 130	1	20
cis-1,3-Dichloropropene	5.00	5.00		ug/L		100	70 - 130	1	20
Dichloromethane	5.00	5.06		ug/L		101	70 - 130	2	20
Ethylbenzene	5.00	5.85		ug/L		117	70 - 130	1	20
Hexachlorobutadiene	5.00	5.32		ug/L		106	70 - 130	5	20
Isopropylbenzene	5.00	5.69		ug/L		114	70 - 130	1	20
m,p-Xylenes	10.0	12.0		ug/L		120	70 - 130	0	20
m-Dichlorobenzene (1,3-DCB)	5.00	5.64		ug/L		113	70 - 130	0	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.94		ug/L		99	70 - 130	2	20
Naphthalene	5.00	6.05		ug/L		121	70 - 130	14	20
n-Butylbenzene	5.00	5.41		ug/L		108	70 - 130	2	20
N-Propylbenzene	5.00	5.89		ug/L		118	70 - 130	0	20
o-Chlorotoluene	5.00	5.65		ug/L		113	70 - 130	1	20
o-Dichlorobenzene (1,2-DCB)	5.00	5.59		ug/L		112	70 - 130	2	20
o-Xylene	5.00	5.78		ug/L		116	70 - 130	1	20
p-Chlorotoluene	5.00	5.66		ug/L		113	70 - 130	3	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.75		ug/L		115	70 - 130	1	20
p-Isopropyltoluene	5.00	5.67		ug/L		113	70 - 130	0	20
sec-Butylbenzene	5.00	5.70		ug/L		114	70 - 130	1	20
Styrene	5.00	5.75		ug/L		115	70 - 130	3	20
Tert-amyl methyl ether	5.00	5.26		ug/L		105	70 - 130	3	20
1,3-Dichloropropene, Total	10.0	9.89		ug/L		99	70 - 130	2	20
Tert-butyl ethyl ether	5.00	5.22		ug/L		104	70 - 130	6	20
tert-Butylbenzene	5.00	5.54		ug/L		111	70 - 130	0	20
Tetrachloroethene (PCE)	5.00	5.51		ug/L		110	70 - 130	3	20
Toluene	5.00	5.45		ug/L		109	70 - 130	1	20
trans-1,2-Dichloroethylene	5.00	4.94		ug/L		99	70 - 130	1	20
trans-1,3-Dichloropropene	5.00	4.89		ug/L		98	70 - 130	3	20
Trichloroethylene (TCE)	5.00	5.26		ug/L		105	70 - 130	1	20
Bromoethane	5.00	4.62		ug/L		92	70 - 130	2	20

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCSD 380-203204/4
Matrix: Water
Analysis Batch: 203204

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane (Freon 11)	5.00	7.22	*+	ug/L		144	70 - 130	2	20
Trichlorotrifluoroethane	5.00	6.28		ug/L		126	70 - 130	0	20
Diisopropyl ether	5.00	5.08		ug/L		102	70 - 130	4	20
Vinyl Chloride (VC)	5.00	6.40		ug/L		128	70 - 130	1	20
Xylenes, Total	15.0	17.8		ug/L		118	70 - 130	0	20

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

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

Lab Sample ID: MB 380-200931/21-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200931

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
2,4'-DDE	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
2,4'-DDT	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
4,4'-DDD	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
4,4'-DDE	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
4,4'-DDT	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Acenaphthene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Acenaphthylene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Acetochlor	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Alachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
alpha-BHC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
alpha-Chlordane	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Anthracene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 10:38	1
Atrazine	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Benz(a)anthracene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[a]pyrene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 10:38	1
beta-BHC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		01/26/26 07:48	01/27/26 10:38	1
Aldrin	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Bromacil	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Butachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Butylbenzylphthalate	<0.50		0.50	ug/L		01/26/26 07:48	01/27/26 10:38	1
Chlorobenzilate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Chloroneb	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: MB 380-200931/21-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200931

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chlorpyrifos	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Chrysene	<0.020		0.020	ug/L		01/26/26 07:48	01/27/26 10:38	1
delta-BHC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		01/26/26 07:48	01/27/26 10:38	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Dieldrin	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Diethylphthalate	<0.50		0.50	ug/L		01/26/26 07:48	01/27/26 10:38	1
Dimethylphthalate	<0.50		0.50	ug/L		01/26/26 07:48	01/27/26 10:38	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		01/26/26 07:48	01/27/26 10:38	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Endosulfan sulfate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Endrin	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Endrin aldehyde	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
EPTC	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Fluoranthene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Fluorene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
gamma-BHC (Lindane)	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 10:38	1
gamma-Chlordane	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Heptachlor	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Hexachlorobenzene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Isophorone	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Malathion	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Methoxychlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Metolachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Molinate	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Naphthalene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Parathion	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Phenanthrene	<0.040		0.040	ug/L		01/26/26 07:48	01/27/26 10:38	1
Propachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Pyrene	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Simazine	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Terbacil	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Terbutylazine	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Thiobencarb	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		01/26/26 07:48	01/27/26 10:38	1
trans-Nonachlor	<0.050		0.050	ug/L		01/26/26 07:48	01/27/26 10:38	1
Trifluralin	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
1-Methylnaphthalene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1
2-Methylnaphthalene	<0.099		0.099	ug/L		01/26/26 07:48	01/27/26 10:38	1

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: MB 380-200931/21-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200931

<i>Tentatively Identified Compound</i>	<i>MB MB</i>		<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>Est. Result</i>	<i>Qualifier</i>							
<i>Cyclopentene, 1,2,3,4,5-pentamethyl-</i>	0.820	T J N	ug/L		2.52	1000154-28-6	01/26/26 07:48	01/27/26 10:38	1
<i>Cyclotetrasiloxane, octamethyl-</i>	0.811	T J N	ug/L		2.70	556-67-2	01/26/26 07:48	01/27/26 10:38	1
<i>Undecane</i>	2.87	T J N	ug/L		3.10	1120-21-4	01/26/26 07:48	01/27/26 10:38	1
<i>Cyclopentasiloxane, decamethyl-</i>	0.988	T J N	ug/L		3.23	541-02-6	01/26/26 07:48	01/27/26 10:38	1
<i>Unknown</i>	0.933	T J	ug/L		3.85	N/A	01/26/26 07:48	01/27/26 10:38	1
<i>9-Octadecenamide, (Z)-</i>	0.852	T J N	ug/L		7.86	301-02-0	01/26/26 07:48	01/27/26 10:38	1
<i>Octadecane, 1-iodo-</i>	0.532	T J N	ug/L		14.96	629-93-6	01/26/26 07:48	01/27/26 10:38	1

<i>Surrogate</i>	<i>MB MB</i>		<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>%Recovery</i>	<i>Qualifier</i>				
<i>2 Nitro m xylene</i>	97		70 - 130	01/26/26 07:48	01/27/26 10:38	1
<i>Perylene-d12</i>	87		70 - 130	01/26/26 07:48	01/27/26 10:38	1
<i>Triphenylphosphate</i>	105		70 - 130	01/26/26 07:48	01/27/26 10:38	1

Lab Sample ID: LCS 380-200931/23-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS LCS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
		<i>Result</i>	<i>Qualifier</i>				
2,4'-DDD	1.98	2.19		ug/L		110	70 - 130
2,4'-DDE	1.98	2.24		ug/L		113	70 - 130
2,4'-DDT	1.98	2.04		ug/L		103	70 - 130
2,4-Dinitrotoluene	1.98	2.13		ug/L		107	70 - 130
2,6-Dinitrotoluene	1.98	2.00		ug/L		101	70 - 130
4,4'-DDD	1.98	2.08		ug/L		105	70 - 130
4,4'-DDE	1.98	2.27		ug/L		115	70 - 130
4,4'-DDT	1.98	2.08		ug/L		105	70 - 130
Acenaphthene	1.98	2.04		ug/L		103	70 - 130
Acenaphthylene	1.98	2.16		ug/L		109	70 - 130
Acetochlor	1.98	2.22		ug/L		112	70 - 130
Alachlor	1.98	2.26		ug/L		114	70 - 130
alpha-BHC	1.98	2.09		ug/L		105	70 - 130
alpha-Chlordane	1.98	2.02		ug/L		102	70 - 130
Anthracene	1.98	1.95		ug/L		98	70 - 130
Atrazine	1.98	2.31		ug/L		116	70 - 130
Benz(a)anthracene	1.98	2.17		ug/L		109	70 - 130
Benzo[a]pyrene	1.98	2.32		ug/L		117	70 - 130
Benzo[b]fluoranthene	1.98	2.16		ug/L		109	70 - 130
Benzo[g,h,i]perylene	1.98	2.03		ug/L		103	70 - 130
Benzo[k]fluoranthene	1.98	2.09		ug/L		105	70 - 130
beta-BHC	1.98	2.09		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.22		ug/L		112	70 - 130
Aldrin	1.98	1.85		ug/L		93	70 - 130
Bromacil	1.98	1.93		ug/L		97	70 - 130
Butachlor	1.98	2.19		ug/L		110	70 - 130
Butylbenzylphthalate	1.98	2.25		ug/L		113	70 - 130
Chlorobenzilate	1.98	2.13		ug/L		108	70 - 130
Chloroneb	1.98	2.12		ug/L		107	70 - 130

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCS 380-200931/23-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorothalonil (Draconil, Bravo)	1.98	2.09		ug/L		105	70 - 130
Chlorpyrifos	1.98	2.22		ug/L		112	70 - 130
Chrysene	1.98	2.00		ug/L		101	70 - 130
delta-BHC	1.98	2.03		ug/L		102	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.37		ug/L		120	70 - 130
Dibenz(a,h)anthracene	1.98	2.15		ug/L		109	70 - 130
Diclorvos (DDVP)	1.98	2.21		ug/L		111	70 - 130
Dieldrin	1.98	2.12		ug/L		107	70 - 130
Diethylphthalate	1.98	2.22		ug/L		112	70 - 130
Dimethylphthalate	1.98	2.17		ug/L		109	70 - 130
Di-n-butyl phthalate	3.97	4.48		ug/L		113	70 - 130
Di-n-octyl phthalate	1.98	2.23		ug/L		112	70 - 130
Endosulfan I (Alpha)	1.98	2.02		ug/L		102	70 - 130
Endosulfan II (Beta)	1.98	2.10		ug/L		106	70 - 130
Endosulfan sulfate	1.98	2.03		ug/L		102	70 - 130
Endrin	1.98	2.28		ug/L		115	70 - 130
Endrin aldehyde	1.98	1.88		ug/L		95	60 - 130
EPTC	1.98	2.14		ug/L		108	70 - 130
Fluoranthene	1.98	2.15		ug/L		108	70 - 130
Fluorene	1.98	2.10		ug/L		106	70 - 130
gamma-BHC (Lindane)	1.98	2.12		ug/L		107	70 - 130
gamma-Chlordane	1.98	2.02		ug/L		102	70 - 130
Heptachlor	1.98	2.22		ug/L		112	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.12		ug/L		107	70 - 130
Hexachlorobenzene	1.98	2.02		ug/L		102	70 - 130
Hexachlorocyclopentadiene	1.98	2.01		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.13		ug/L		107	70 - 130
Isophorone	1.98	2.05		ug/L		104	70 - 130
Malathion	1.98	2.12		ug/L		107	70 - 130
Methoxychlor	1.98	2.08		ug/L		105	70 - 130
Metolachlor	1.98	2.15		ug/L		108	70 - 130
Molinate	1.98	2.16		ug/L		109	70 - 130
Naphthalene	1.98	1.89		ug/L		95	70 - 130
Parathion	1.98	2.16		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	1.98	2.04		ug/L		103	70 - 130
Phenanthrene	1.98	1.84		ug/L		93	70 - 130
Propachlor	1.98	2.28		ug/L		115	70 - 130
Pyrene	1.98	2.16		ug/L		109	70 - 130
Simazine	1.98	2.34		ug/L		118	70 - 130
Terbacil	1.98	2.01		ug/L		101	70 - 130
Terbutylazine	1.98	2.41		ug/L		121	70 - 130
Thiobencarb	1.98	2.29		ug/L		115	70 - 130
trans-Nonachlor	1.98	2.00		ug/L		101	70 - 130
Trifluralin	1.98	2.04		ug/L		103	70 - 130
1-Methylnaphthalene	1.98	1.91		ug/L		96	70 - 130
2-Methylnaphthalene	1.98	1.98		ug/L		100	70 - 130

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCS 380-200931/23-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	100		70 - 130
Triphenylphosphate	109		70 - 130

Lab Sample ID: MRL 380-200931/22-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0990	0.0902	J	ug/L		91	50 - 150
2,4'-DDE	0.0990	0.107		ug/L		108	50 - 150
2,4'-DDT	0.0990	0.109		ug/L		110	50 - 150
2,4-Dinitrotoluene	0.0990	0.110		ug/L		111	50 - 150
2,6-Dinitrotoluene	0.0990	0.139		ug/L		140	50 - 150
4,4'-DDD	0.0990	0.114		ug/L		116	50 - 150
4,4'-DDE	0.0990	0.0994		ug/L		100	50 - 150
4,4'-DDT	0.0990	0.116		ug/L		117	50 - 150
Acenaphthene	0.0990	0.0903	J	ug/L		91	50 - 150
Acenaphthylene	0.0990	0.0995		ug/L		101	50 - 150
Acetochlor	0.0990	0.115		ug/L		116	50 - 150
Alachlor	0.0495	0.0540		ug/L		109	50 - 150
alpha-BHC	0.0990	0.106		ug/L		107	50 - 150
alpha-Chlordane	0.0248	<0.029		ug/L		108	50 - 150
Anthracene	0.0198	0.0227		ug/L		115	50 - 150
Atrazine	0.0495	0.0519		ug/L		105	50 - 150
Benz(a)anthracene	0.0495	0.0525		ug/L		106	50 - 150
Benzo[a]pyrene	0.0198	0.0253		ug/L		128	50 - 150
Benzo[b]fluoranthene	0.0198	0.0250		ug/L		126	50 - 150
Benzo[g,h,i]perylene	0.0495	0.0519		ug/L		105	50 - 150
Benzo[k]fluoranthene	0.0198	0.0254		ug/L		128	50 - 150
beta-BHC	0.0990	0.114		ug/L		115	50 - 150
Bis(2-ethylhexyl) phthalate	0.594	0.667		ug/L		112	50 - 150
Aldrin	0.00990	<0.0099		ug/L		93	50 - 150
Bromacil	0.0990	0.115		ug/L		116	50 - 150
Butachlor	0.0495	0.0666		ug/L		135	50 - 150
Butylbenzylphthalate	0.495	0.589		ug/L		119	50 - 150
Chlorobenzilate	0.0990	0.113		ug/L		114	50 - 150
Chloroneb	0.0990	0.113		ug/L		114	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0990	0.102		ug/L		103	50 - 150
Chlorpyrifos	0.0495	0.0588		ug/L		119	50 - 150
Chrysene	0.0198	0.0220		ug/L		111	50 - 150
delta-BHC	0.0990	0.0962	J	ug/L		97	50 - 150
Di(2-ethylhexyl)adipate	0.594	0.703		ug/L		118	50 - 150
Dibenz(a,h)anthracene	0.0495	0.0485	J	ug/L		98	50 - 150
Diclorvos (DDVP)	0.0495	0.0580		ug/L		117	50 - 150
Dieldrin	0.00990	0.0111		ug/L		112	50 - 150
Diethylphthalate	0.495	0.539		ug/L		109	50 - 150
Dimethylphthalate	0.495	0.533		ug/L		108	50 - 150

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: MRL 380-200931/22-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	0.495	0.607	J	ug/L		123	49 - 243
Di-n-octyl phthalate	0.0990	0.115		ug/L		117	50 - 150
Endosulfan I (Alpha)	0.0990	0.0912	J	ug/L		92	50 - 150
Endosulfan II (Beta)	0.0990	0.0979	J	ug/L		99	50 - 150
Endosulfan sulfate	0.0990	0.115		ug/L		116	50 - 150
Endrin	0.00990	0.00953	J	ug/L		96	50 - 150
Endrin aldehyde	0.0990	0.111		ug/L		112	50 - 150
EPTC	0.0990	0.102		ug/L		103	50 - 150
Fluoranthene	0.0990	0.0993		ug/L		100	50 - 150
Fluorene	0.0495	0.0514		ug/L		104	50 - 150
gamma-BHC (Lindane)	0.00990	0.0114		ug/L		116	50 - 150
gamma-Chlordane	0.0248	0.0262	J	ug/L		106	50 - 150
Heptachlor	0.00990	0.0103		ug/L		104	50 - 150
Heptachlor epoxide (isomer B)	0.00990	0.0115		ug/L		116	50 - 150
Hexachlorobenzene	0.0495	0.0490	J	ug/L		99	50 - 150
Hexachlorocyclopentadiene	0.0495	0.0551		ug/L		111	50 - 150
Indeno[1,2,3-cd]pyrene	0.0495	0.0561		ug/L		113	50 - 150
Isophorone	0.0990	0.118		ug/L		120	50 - 150
Malathion	0.0990	0.113		ug/L		114	50 - 150
Methoxychlor	0.0495	0.0705		ug/L		142	50 - 150
Metolachlor	0.0495	0.0609		ug/L		123	50 - 150
Molinate	0.0990	0.110		ug/L		111	50 - 150
Naphthalene	0.0990	0.122		ug/L		123	50 - 150
Parathion	0.0990	0.106		ug/L		107	50 - 150
Pendimethalin (Penoxaline)	0.0990	0.108		ug/L		109	50 - 150
Phenanthrene	0.0396	0.0401		ug/L		101	50 - 150
Propachlor	0.0495	0.0571		ug/L		115	50 - 150
Pyrene	0.0495	0.0506		ug/L		102	50 - 150
Simazine	0.0495	0.0471	J	ug/L		95	50 - 150
Terbacil	0.0990	0.107		ug/L		108	50 - 150
Terbutylazine	0.0990	0.112		ug/L		113	50 - 150
Thiobencarb	0.0990	0.113		ug/L		114	50 - 150
trans-Nonachlor	0.0248	0.0302	J	ug/L		122	50 - 150
Trifluralin	0.0990	0.111		ug/L		112	50 - 150
1-Methylnaphthalene	0.0990	0.110		ug/L		112	50 - 150
2-Methylnaphthalene	0.0990	0.106		ug/L		107	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	91		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: 380-193902-B-1-A MS
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.096		1.93	2.07		ug/L		107	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: 380-193902-B-1-A MS
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
2,4'-DDE	<0.096		1.93	2.12		ug/L		110	70 - 130
2,4'-DDT	<0.096		1.93	1.92		ug/L		100	70 - 130
2,4-Dinitrotoluene	<0.096		1.93	2.12		ug/L		110	70 - 130
2,6-Dinitrotoluene	<0.096		1.93	2.00		ug/L		103	70 - 130
4,4'-DDD	<0.096		1.93	1.97		ug/L		102	70 - 130
4,4'-DDE	<0.096		1.93	2.09		ug/L		108	70 - 130
4,4'-DDT	<0.096		1.93	1.95		ug/L		101	70 - 130
Acenaphthene	<0.096		1.93	1.96		ug/L		102	70 - 130
Acenaphthylene	<0.096		1.93	2.08		ug/L		108	70 - 130
Acetochlor	<0.096		1.93	2.12		ug/L		110	70 - 130
Alachlor	<0.048		1.93	2.14		ug/L		111	70 - 130
alpha-BHC	<0.096		1.93	1.98		ug/L		102	70 - 130
alpha-Chlordane	<0.048		1.93	1.95		ug/L		100	70 - 130
Anthracene	<0.019		1.93	1.89		ug/L		98	70 - 130
Atrazine	<0.048		1.93	2.25		ug/L		116	70 - 130
Benz(a)anthracene	<0.048		1.93	2.02		ug/L		105	70 - 130
Benzo[a]pyrene	<0.019		1.93	2.22		ug/L		115	70 - 130
Benzo[b]fluoranthene	<0.019		1.93	2.13		ug/L		110	70 - 130
Benzo[g,h,i]perylene	<0.048		1.93	1.90		ug/L		98	70 - 130
Benzo[k]fluoranthene	<0.019		1.93	1.96		ug/L		102	70 - 130
beta-BHC	<0.096		1.93	1.98		ug/L		103	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.93	2.02		ug/L		105	70 - 130
Aldrin	<0.0096		1.93	1.78		ug/L		92	70 - 130
Bromacil	<0.096		1.93	1.90		ug/L		96	70 - 130
Butachlor	<0.048		1.93	2.06		ug/L		107	70 - 130
Butylbenzylphthalate	<0.48		1.93	2.17		ug/L		113	70 - 130
Chlorobenzilate	<0.096		1.93	2.02		ug/L		105	70 - 130
Chloroneb	<0.096		1.93	2.01		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.096		1.93	1.98		ug/L		103	70 - 130
Chlorpyrifos	<0.048		1.93	2.12		ug/L		110	70 - 130
Chrysene	<0.019		1.93	1.94		ug/L		100	70 - 130
delta-BHC	<0.096		1.93	1.90		ug/L		99	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.93	2.15		ug/L		111	70 - 130
Dibenz(a,h)anthracene	<0.048		1.93	2.03		ug/L		105	70 - 130
Diclorvos (DDVP)	<0.048		1.93	2.14		ug/L		111	70 - 130
Dieldrin	0.076		1.93	2.09		ug/L		104	70 - 130
Diethylphthalate	<0.48		1.93	2.09		ug/L		108	70 - 130
Dimethylphthalate	<0.48		1.93	2.06		ug/L		107	70 - 130
Di-n-butyl phthalate	<0.96		3.86	4.27		ug/L		111	70 - 130
Di-n-octyl phthalate	<0.096		1.93	1.96		ug/L		101	70 - 130
Endosulfan I (Alpha)	<0.096		1.93	1.93		ug/L		100	70 - 130
Endosulfan II (Beta)	<0.096		1.93	1.98		ug/L		103	70 - 130
Endosulfan sulfate	<0.096		1.93	1.90		ug/L		99	70 - 130
Endrin	<0.0096		1.93	2.14		ug/L		111	70 - 130
Endrin aldehyde	<0.096		1.93	1.80		ug/L		93	60 - 130
EPTC	<0.096		1.93	2.04		ug/L		106	70 - 130
Fluoranthene	<0.096		1.93	2.09		ug/L		108	70 - 130
Fluorene	<0.048		1.93	2.03		ug/L		105	70 - 130
gamma-BHC (Lindane)	<0.0096		1.93	2.06		ug/L		107	70 - 130

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: 380-193902-B-1-A MS
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result			Result	Qualifier				
gamma-Chlordane	<0.048		1.93	1.94		ug/L		100	70 - 130
Heptachlor	<0.0096		1.93	2.13		ug/L		110	70 - 130
Heptachlor epoxide (isomer B)	0.012		1.93	2.00		ug/L		103	70 - 130
Hexachlorobenzene	<0.048		1.93	1.96		ug/L		102	70 - 130
Hexachlorocyclopentadiene	<0.048		1.93	1.95		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.93	2.01		ug/L		104	70 - 130
Isophorone	<0.096		1.93	1.94		ug/L		100	70 - 130
Malathion	<0.096		1.93	2.02		ug/L		105	70 - 130
Methoxychlor	<0.048		1.93	2.03		ug/L		105	70 - 130
Metolachlor	<0.048		1.93	2.01		ug/L		104	70 - 130
Molinate	<0.096		1.93	2.09		ug/L		108	70 - 130
Naphthalene	<0.096		1.93	1.82		ug/L		94	70 - 130
Parathion	<0.096		1.93	2.07		ug/L		107	70 - 130
Pendimethalin (Penoxaline)	<0.096		1.93	1.92		ug/L		100	70 - 130
Phenanthrene	<0.038		1.93	1.79		ug/L		93	70 - 130
Propachlor	<0.048		1.93	2.15		ug/L		112	70 - 130
Pyrene	<0.048		1.93	2.09		ug/L		108	70 - 130
Simazine	<0.048		1.93	2.22		ug/L		115	70 - 130
Terbacil	<0.096		1.93	1.90		ug/L		98	70 - 130
Terbutylazine	<0.096		1.93	2.27		ug/L		118	70 - 130
Thiobencarb	<0.096		1.93	2.17		ug/L		113	70 - 130
trans-Nonachlor	<0.048		1.93	1.93		ug/L		99	70 - 130
Trifluralin	<0.096		1.93	1.98		ug/L		103	70 - 130
1-Methylnaphthalene	<0.096		1.93	1.84		ug/L		95	70 - 130
2-Methylnaphthalene	<0.096		1.93	1.89		ug/L		98	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	99		70 - 130
Triphenylphosphate	105		70 - 130

Lab Sample ID: 380-193911-B-1-A DU
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample	Sample Qualifier	DU	DU	Unit	D	RPD	Limit
	Result		Result	Qualifier				
2,4'-DDD	<0.096		<0.097		ug/L		NC	20
2,4'-DDE	<0.096		<0.097		ug/L		NC	20
2,4'-DDT	<0.096		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.096		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.096		<0.097		ug/L		NC	20
4,4'-DDD	<0.096		<0.097		ug/L		NC	20
4,4'-DDE	<0.096		<0.097		ug/L		NC	20
4,4'-DDT	<0.096		<0.097		ug/L		NC	20
Acenaphthene	<0.096		<0.097		ug/L		NC	20
Acenaphthylene	<0.096		<0.097		ug/L		NC	20
Acetochlor	<0.096		<0.097		ug/L		NC	20
Alachlor	<0.048		<0.048		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: 380-193911-B-1-A DU
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
alpha-BHC	<0.096		<0.097		ug/L		NC	20
alpha-Chlordane	<0.048		<0.048		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.048		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.048		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.048		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.096		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Aldrin	<0.0096		<0.0097		ug/L		NC	20
Bromacil	<0.096		<0.097		ug/L		NC	20
Butachlor	<0.048		<0.048		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.48		ug/L		NC	20
Chlorobenzilate	<0.096		<0.097		ug/L		NC	20
Chloroneb	<0.096		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.096		<0.097		ug/L		NC	20
Chlorpyrifos	<0.048		<0.048		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.096		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.048		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.048		ug/L		NC	20
Dieldrin	0.079		0.0811		ug/L		3	20
Diethylphthalate	<0.48		<0.48		ug/L		NC	20
Dimethylphthalate	<0.48		<0.48		ug/L		NC	20
Di-n-butyl phthalate	<0.96		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.096		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.096		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.096		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.096		<0.097		ug/L		NC	20
Endrin	<0.0096		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.096		<0.097		ug/L		NC	20
EPTC	<0.096		<0.097		ug/L		NC	20
Fluoranthene	<0.096		<0.097		ug/L		NC	20
Fluorene	<0.048		<0.048		ug/L		NC	20
gamma-BHC (Lindane)	<0.0096		<0.0097		ug/L		NC	20
gamma-Chlordane	<0.048		<0.048		ug/L		NC	20
Heptachlor	<0.0096		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.012		0.0130		ug/L		7	20
Hexachlorobenzene	<0.048		<0.048		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.048		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.048		ug/L		NC	20
Isophorone	<0.096		<0.097		ug/L		NC	20
Malathion	<0.096		<0.097		ug/L		NC	20
Methoxychlor	<0.048		<0.048		ug/L		NC	20
Metolachlor	<0.048		<0.048		ug/L		NC	20
Molinate	<0.096		<0.097		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: 380-193911-B-1-A DU
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Naphthalene	<0.096		<0.097		ug/L		NC	20
Parathion	<0.096		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.096		<0.097		ug/L		NC	20
Phenanthrene	<0.038		<0.039		ug/L		NC	20
Propachlor	<0.048		<0.048		ug/L		NC	20
Pyrene	<0.048		<0.048		ug/L		NC	20
Simazine	<0.048		<0.048		ug/L		NC	20
Terbacil	<0.096		<0.097		ug/L		NC	20
Terbuthylazine	<0.096		<0.097		ug/L		NC	20
Thiobencarb	<0.096		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.048		<0.048		ug/L		NC	20
Trifluralin	<0.096		<0.097		ug/L		NC	20
1-Methylnaphthalene	<0.096		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.096		<0.097		ug/L		NC	20

Surrogate	DU	DU	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	89		70 - 130
Triphenylphosphate	105		70 - 130

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

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

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

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L			N/A	01/23/26 19:03	02/04/26 22:10	1

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

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

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

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Chloronaphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Chlorophenol	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Methylnaphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Methylphenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Nitroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Nitrophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
3/4-Methylphenol	<2.0		2.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
3-Nitroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Chloroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Nitroaniline	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
4-Nitrophenol	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Acenaphthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Acenaphthylene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Aniline	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Anthracene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzidine	<5.0		5.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[a]anthracene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[a]pyrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzoic acid	<10		10	ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzyl alcohol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Chrysene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Dibenzofuran	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Fluoranthene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Fluorene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Hexachloroethane	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Naphthalene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Nitrobenzene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Pentachlorophenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Phenanthrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1
Phenol	<1.0		1.0	ug/L		01/23/26 19:03	02/01/26 13:51	1
Pyrene	<0.20		0.20	ug/L		01/23/26 19:03	02/01/26 13:51	1

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

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

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

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

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

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	20.0	21.2		ug/L		106	44 - 140
Dibenz(a,h)anthracene	20.0	21.5		ug/L		107	1 - 200
Dibenzofuran	20.0	20.4		ug/L		102	48 - 120
Fluoranthene	20.0	20.8		ug/L		104	43 - 121
Fluorene	20.0	19.6		ug/L		98	70 - 120
Hexachloroethane	20.0	19.1		ug/L		96	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	21.7		ug/L		108	1 - 151
Naphthalene	20.0	20.7		ug/L		103	36 - 120
Nitrobenzene	20.0	21.2		ug/L		106	54 - 158
N-Nitrosodi-n-propylamine	20.0	17.9		ug/L		89	14 - 198
N-Nitrosodiphenylamine	20.0	20.7		ug/L		104	65 - 133
Pentachlorophenol	20.0	16.7		ug/L		84	38 - 152
Phenanthrene	20.0	21.0		ug/L		105	65 - 120
Phenol	20.0	10.5		ug/L		53	17 - 120
Pyrene	20.0	22.7		ug/L		113	70 - 120

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	18.8		ug/L		94	47 - 120	12	20
2,4,5-Trichlorophenol	20.0	19.9		ug/L		99	57 - 120	9	20
2,4,6-Trichlorophenol	20.0	19.9		ug/L		99	52 - 129	10	35
2,4-Dichlorophenol	20.0	20.1		ug/L		101	53 - 122	13	30
2,4-Dinitrophenol	20.0	12.1		ug/L		60	1 - 173	13	79
2,6-Dichlorophenol	20.0	20.0		ug/L		100	50 - 120	12	20
2-Chloronaphthalene	20.0	19.4		ug/L		97	65 - 120	10	15
2-Chlorophenol	20.0	18.9		ug/L		95	36 - 120	17	37
2-Methylnaphthalene	20.0	18.3		ug/L		91	43 - 120	11	20
2-Methylphenol	20.0	20.9		ug/L		105	46 - 120	10	20
2-Nitroaniline	20.0	18.4		ug/L		92	51 - 125	5	20
2-Nitrophenol	20.0	19.8		ug/L		99	45 - 167	15	33
3/4-Methylphenol	40.0	30.6		ug/L		77	29 - 120	13	20
3-Nitroaniline	20.0	4.47	J *1 *	ug/L		22	62 - 129	28	20
4,6-Dinitro-2-methylphenol	20.0	16.9		ug/L		85	53 - 130	7	122
4-Bromophenyl phenyl ether	20.0	18.3		ug/L		91	65 - 120	7	26
4-Chloro-3-methylphenol	20.0	20.8		ug/L		104	41 - 128	11	44
4-Chloroaniline	20.0	2.22	J *1 *	ug/L		11	51 - 120	43	20
4-Chlorophenyl phenyl ether	20.0	18.6		ug/L		93	38 - 145	7	36

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
4-Nitroaniline	20.0	12.8		ug/L		64	64 - 129	4	20	
4-Nitrophenol	20.0	8.98		ug/L		45	13 - 129	11	79	
Acenaphthene	20.0	18.4		ug/L		92	60 - 132	9	29	
Acenaphthylene	20.0	17.8		ug/L		89	54 - 126	10	45	
Aniline	20.0	<0.072	*- *1	ug/L		0	52 - 121	200	21	
Anthracene	20.0	19.5		ug/L		97	43 - 120	5	40	
Benzidine	20.0	<1.4	*-	ug/L		0	20 - 164	NC	30	
Benzo[a]anthracene	20.0	20.2		ug/L		101	42 - 133	7	32	
Benzo[a]pyrene	20.0	20.0		ug/L		100	32 - 148	5	43	
Benzo[b]fluoranthene	20.0	19.7		ug/L		99	42 - 140	8	43	
Benzo[g,h,i]perylene	20.0	19.1		ug/L		96	1 - 195	7	61	
Benzo[k]fluoranthene	20.0	19.5		ug/L		97	25 - 146	6	38	
Benzoic acid	20.0	9.57	J	ug/L		48	20 - 120	12	30	
Benzyl alcohol	20.0	10.8	*1	ug/L		54	44 - 122	34	20	
Bis(2-chloroethoxy)methane	20.0	17.2		ug/L		86	49 - 165	22	32	
Bis(2-chloroethyl)ether	20.0	18.1		ug/L		90	43 - 126	17	65	
bis (2-Chloroisopropyl) ether	20.0	19.1		ug/L		95	63 - 139	18	46	
Chrysene	20.0	19.9		ug/L		100	44 - 140	6	53	
Dibenz(a,h)anthracene	20.0	20.4		ug/L		102	1 - 200	5	75	
Dibenzofuran	20.0	19.1		ug/L		95	48 - 120	7	20	
Fluoranthene	20.0	20.4		ug/L		102	43 - 121	2	40	
Fluorene	20.0	18.5		ug/L		93	70 - 120	6	23	
Hexachloroethane	20.0	15.6		ug/L		78	55 - 120	20	32	
Indeno[1,2,3-cd]pyrene	20.0	20.2		ug/L		101	1 - 151	7	60	
Naphthalene	20.0	17.7		ug/L		89	36 - 120	15	39	
Nitrobenzene	20.0	18.1		ug/L		91	54 - 158	16	37	
N-Nitrosodi-n-propylamine	20.0	16.7		ug/L		84	14 - 198	7	52	
N-Nitrosodiphenylamine	20.0	19.1		ug/L		96	65 - 133	8	20	
Pentachlorophenol	20.0	15.4		ug/L		77	38 - 152	8	52	
Phenanthrene	20.0	19.6		ug/L		98	65 - 120	7	24	
Phenol	20.0	9.14		ug/L		46	17 - 120	14	39	
Pyrene	20.0	20.8		ug/L		104	70 - 120	9	30	

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

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

Lab Sample ID: MB 570-687650/5
Matrix: Water
Analysis Batch: 687650

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

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			01/27/26 14:47	1

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		38 - 134		01/27/26 14:47	1

Lab Sample ID: LCS 570-687650/3
Matrix: Water
Analysis Batch: 687650

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	413		ug/L		103	78 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		38 - 134

Lab Sample ID: LCSD 570-687650/4
Matrix: Water
Analysis Batch: 687650

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (C4-C13)	400	432		ug/L		108	78 - 120	4	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		38 - 134

Lab Sample ID: MRL 570-687650/6
Matrix: Water
Analysis Batch: 687650

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	<7.9		ug/L		68	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		38 - 134

Lab Sample ID: 380-193582-X-1 MS
Matrix: Water
Analysis Batch: 687650

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	383		ug/L		96	68 - 122

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

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: 380-193582-Y-1 MSD

Matrix: Water

Analysis Batch: 687650

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	407		ug/L		102	68 - 122	6	18
Surrogate		MSD %Recovery	MSD Qualifier								Limits
4-Bromofluorobenzene (Surr)		92									38 - 134

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

Lab Sample ID: MBL 380-200585/4-A

Matrix: Water

Analysis Batch: 200989

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 200585

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		01/23/26 15:33	01/23/26 18:33	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		01/23/26 15:33	01/23/26 18:33	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		01/23/26 15:33	01/23/26 18:33	1
Surrogate		MBL %Recovery	MBL Qualifier			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)		98				01/23/26 15:33	01/23/26 18:33	1
			Limits					
			60 - 140					

Lab Sample ID: LCS 380-200585/29-A

Matrix: Water

Analysis Batch: 200989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.200	0.191		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	0.200	0.174		ug/L		87	70 - 130
1,2-Dibromoethane	0.200	0.179		ug/L		90	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier				
1,2-Dibromopropane (Surr)		100					
			Limits				
			60 - 140				

Lab Sample ID: MRL 380-200585/2-A

Matrix: Water

Analysis Batch: 200989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200585

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

Lab Sample ID: MRL 380-200585/3-A

Matrix: Water

Analysis Batch: 200989

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200585

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0500	0.0483		ug/L		97	60 - 140

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0100	0.00968	J	ug/L		97	60 - 140
1,2-Dibromoethane	0.0100	0.0101		ug/L		101	60 - 140

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

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

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

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

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dibromopropane (Surr)	108		60 - 140

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

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

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

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

Method: 505 - Organochlorine Pesticides/PCBs (GC)

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

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

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

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit

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

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	0.500	0.544		ug/L		109	50 - 150
Surrogate							
	MRL %Recovery	MRL Qualifier	Limits				
<i>Tetrachloro-m-xylene</i>	98		70 - 130				

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	0.100	0.103		ug/L		103	50 - 150
Surrogate							
	MRL %Recovery	MRL Qualifier	Limits				
<i>Tetrachloro-m-xylene</i>	102		70 - 130				

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.47	2.58		ug/L		105	65 - 135
Surrogate									
	MS %Recovery	MS Qualifier	Limits						
<i>Tetrachloro-m-xylene</i>	101		70 - 130						

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

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

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

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

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

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

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

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

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

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

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

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1030		ug/L		64	56 - 127
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
<i>n-Octacosane (Surr)</i>	92		60 - 130				

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1120		ug/L		70	56 - 127	8	23
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
<i>n-Octacosane (Surr)</i>	102		60 - 130						

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

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

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

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
C10-C28	<26		1630	1430		ug/L		88	70 - 130
Surrogate	MS	MS							
<i>n</i> -Octacosane (Surr)	%Recovery	Qualifier	Limits						
	120		60 - 130						

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
				Result	Qualifier						
C10-C28	<26		1630	1370		ug/L		84	70 - 130	4	20
Surrogate	MSD	MSD									
<i>n</i> -Octacosane (Surr)	%Recovery	Qualifier	Limits								
	115		60 - 130								

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

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

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

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

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

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

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Ethanol	2.00	2.65	*+	mg/L		132	78 - 131
Surrogate	LCS	LCS					
<i>Hexafluoro-2-propanol</i> (Surr)	%Recovery	Qualifier	Limits				
	117		54 - 120				

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Hexafluoro-2-propanol (Surr)	115		54 - 120

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol	0.100	0.0978	J	mg/L		98	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
Hexafluoro-2-propanol (Surr)	75		54 - 120

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol	<0.10	*+	2.00	2.84		mg/L		142	20 - 173

Surrogate	MS %Recovery	MS Qualifier	Limits
Hexafluoro-2-propanol (Surr)	111		54 - 120

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Ethanol	<0.10	*+	2.00	2.73		mg/L		137	20 - 173	4	21

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Hexafluoro-2-propanol (Surr)	102		54 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-200177/4
Matrix: Water
Analysis Batch: 200177

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050	mg/L			01/22/26 10:34	1
Nitrite as N	<0.050		0.050	mg/L			01/22/26 10:34	1

Lab Sample ID: LCS 380-200177/6
Matrix: Water
Analysis Batch: 200177

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	2.52		mg/L		101	90 - 110

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QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 380-200177/6
Matrix: Water
Analysis Batch: 200177

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: LCSD 380-200177/7
Matrix: Water
Analysis Batch: 200177

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	2.49		mg/L		100	90 - 110	1	20
Nitrite as N	1.00	1.02		mg/L		102	90 - 110	0	20

Lab Sample ID: MRL 380-200177/5
Matrix: Water
Analysis Batch: 200177

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	0.0531		mg/L		106	50 - 150
Nitrite as N	0.0500	0.0482	J	mg/L		96	50 - 150

Lab Sample ID: 380-193793-C-1 MS
Matrix: Water
Analysis Batch: 200177

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	<0.050		1.25	1.29		mg/L		102	80 - 120
Nitrite as N	<0.050		0.500	0.535		mg/L		107	80 - 120

Lab Sample ID: 380-193793-C-1 MSD
Matrix: Water
Analysis Batch: 200177

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	<0.050		1.25	1.30		mg/L		103	80 - 120	1	20
Nitrite as N	<0.050		0.500	0.529		mg/L		106	80 - 120	1	20

Lab Sample ID: MB 380-200178/4
Matrix: Water
Analysis Batch: 200178

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50	mg/L			01/22/26 10:34	1
Sulfate	<0.25		0.25	mg/L			01/22/26 10:34	1

Lab Sample ID: LCS 380-200178/6
Matrix: Water
Analysis Batch: 200178

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.6		mg/L		103	90 - 110
Sulfate	50.0	50.4		mg/L		101	90 - 110

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 380-200178/7
Matrix: Water
Analysis Batch: 200178

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.0	25.6		mg/L		103	90 - 110	0	20
Sulfate	50.0	50.1		mg/L		100	90 - 110	1	20

Lab Sample ID: MRL 380-200178/5
Matrix: Water
Analysis Batch: 200178

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	0.454	J	mg/L		91	50 - 150
Sulfate	0.250	0.328		mg/L		131	50 - 150

Lab Sample ID: 380-193793-C-1 MS
Matrix: Water
Analysis Batch: 200178

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	<0.50		12.5	13.3		mg/L		103	80 - 120
Sulfate	<0.25		25.0	25.6		mg/L		103	80 - 120

Lab Sample ID: 380-193793-C-1 MSD
Matrix: Water
Analysis Batch: 200178

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	<0.50		12.5	13.4		mg/L		104	80 - 120	1	20
Sulfate	<0.25		25.0	25.9		mg/L		104	80 - 120	1	20

Lab Sample ID: MB 380-201408/6
Matrix: Water
Analysis Batch: 201408

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0	ug/L			01/27/26 16:03	1

Lab Sample ID: LCS 380-201408/7
Matrix: Water
Analysis Batch: 201408

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

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

Lab Sample ID: LCSD 380-201408/8
Matrix: Water
Analysis Batch: 201408

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	93.6		ug/L		94	90 - 110	0	10

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-201408/5
Matrix: Water
Analysis Batch: 201408

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	4.77	J	ug/L		95	75 - 125

Lab Sample ID: 380-193822-AX-1 MS
Matrix: Water
Analysis Batch: 201408

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<5.0		50.0	46.1		ug/L		92	80 - 120

Lab Sample ID: 380-193822-AX-1 MSD
Matrix: Water
Analysis Batch: 201408

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<5.0		50.0	45.8		ug/L		92	80 - 120	1	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-200612/38
Matrix: Water
Analysis Batch: 200612

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.031		0.10	mg/L			01/23/26 11:47	1
Magnesium	<0.0099		0.10	mg/L			01/23/26 11:47	1
Potassium	<0.044		0.20	mg/L			01/23/26 11:47	1
Sodium	<0.019		0.10	mg/L			01/23/26 11:47	1

Lab Sample ID: LCS 380-200612/40
Matrix: Water
Analysis Batch: 200612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.0		mg/L		100	85 - 115
Magnesium	20.0	20.1		mg/L		100	85 - 115
Potassium	20.0	19.6		mg/L		98	85 - 115
Sodium	50.0	49.2		mg/L		98	85 - 115

Lab Sample ID: LCSD 380-200612/41
Matrix: Water
Analysis Batch: 200612

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	50.3		mg/L		101	85 - 115	1	20
Magnesium	20.0	20.2		mg/L		101	85 - 115	1	20
Potassium	20.0	19.7		mg/L		99	85 - 115	1	20
Sodium	50.0	49.4		mg/L		99	85 - 115	0	20

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LLCS 380-200612/39
Matrix: Water
Analysis Batch: 200612

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.100	0.104		mg/L		104	50 - 150
Magnesium	0.100	0.111		mg/L		111	50 - 150
Potassium	0.100	0.114	J	mg/L		114	50 - 150
Sodium	0.100	0.100		mg/L		100	50 - 150

Lab Sample ID: 380-193763-BE-1 MS
Matrix: Water
Analysis Batch: 200612

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	4.1		50.0	53.2		mg/L		98	70 - 130
Magnesium	1.6	^2	20.0	21.5		mg/L		99	70 - 130
Potassium	<0.20		20.0	19.5		mg/L		97	70 - 130
Sodium	3.5		50.0	52.0		mg/L		97	70 - 130

Lab Sample ID: 380-193763-BE-1 MSD
Matrix: Water
Analysis Batch: 200612

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	4.1		50.0	52.7		mg/L		97	70 - 130	1	20
Magnesium	1.6	^2	20.0	21.3		mg/L		98	70 - 130	1	20
Potassium	<0.20		20.0	19.4		mg/L		97	70 - 130	1	20
Sodium	3.5		50.0	51.7		mg/L		97	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-200658/49
Matrix: Water
Analysis Batch: 200658

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.48		1.0	ug/L			01/23/26 13:16	1
Arsenic	<0.25		1.0	ug/L			01/23/26 13:16	1
Beryllium	<0.12		0.30	ug/L			01/23/26 13:16	1
Cadmium	<0.081		0.50	ug/L			01/23/26 13:16	1
Chromium	<0.33		0.90	ug/L			01/23/26 13:16	1
Copper	<0.28		1.0	ug/L			01/23/26 13:16	1
Lead	<0.084		0.50	ug/L			01/23/26 13:16	1
Nickel	<0.38		5.0	ug/L			01/23/26 13:16	1
Selenium	<0.25		2.0	ug/L			01/23/26 13:16	1
Silver	<0.30		0.50	ug/L			01/23/26 13:16	1
Thallium	<0.10		0.30	ug/L			01/23/26 13:16	1
Zinc	<1.3		5.0	ug/L			01/23/26 13:16	1

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCS 380-200658/51
Matrix: Water
Analysis Batch: 200658

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	49.0		ug/L		98	85 - 115
Arsenic	50.0	50.7		ug/L		101	85 - 115
Beryllium	50.0	51.6		ug/L		103	85 - 115
Cadmium	50.0	49.7		ug/L		99	85 - 115
Chromium	50.0	50.9		ug/L		102	85 - 115
Copper	50.0	51.2		ug/L		102	85 - 115
Lead	50.0	51.5		ug/L		103	85 - 115
Nickel	50.0	50.0		ug/L		100	85 - 115
Selenium	50.0	51.4		ug/L		103	85 - 115
Silver	50.0	50.6		ug/L		101	85 - 115
Thallium	50.0	51.3		ug/L		103	85 - 115
Zinc	50.0	47.5		ug/L		95	85 - 115

Lab Sample ID: LCSD 380-200658/52
Matrix: Water
Analysis Batch: 200658

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	49.3		ug/L		99	85 - 115	1	20
Arsenic	50.0	50.2		ug/L		100	85 - 115	1	20
Beryllium	50.0	51.9		ug/L		104	85 - 115	1	20
Cadmium	50.0	49.7		ug/L		99	85 - 115	0	20
Chromium	50.0	50.4		ug/L		101	85 - 115	1	20
Copper	50.0	51.1		ug/L		102	85 - 115	0	20
Lead	50.0	51.7		ug/L		103	85 - 115	0	20
Nickel	50.0	49.9		ug/L		100	85 - 115	0	20
Selenium	50.0	51.5		ug/L		103	85 - 115	0	20
Silver	50.0	50.3		ug/L		101	85 - 115	1	20
Thallium	50.0	51.5		ug/L		103	85 - 115	0	20
Zinc	50.0	47.6		ug/L		95	85 - 115	0	20

Lab Sample ID: LLCS 380-200658/50
Matrix: Water
Analysis Batch: 200658

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	1.01		ug/L		101	50 - 150
Arsenic	1.00	1.13		ug/L		113	50 - 150
Beryllium	0.300	0.327		ug/L		109	50 - 150
Cadmium	0.500	0.482	J	ug/L		96	50 - 150
Chromium	0.900	1.02		ug/L		113	50 - 150
Copper	1.00	1.02		ug/L		102	50 - 150
Lead	0.500	0.518		ug/L		104	50 - 150
Nickel	1.00	1.03	J	ug/L		103	50 - 150
Selenium	2.00	2.06		ug/L		103	50 - 150
Silver	0.500	0.521		ug/L		104	50 - 150
Thallium	0.300	0.311		ug/L		104	50 - 150
Zinc	5.00	2.89	J	ug/L		58	50 - 150

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: 380-193816-B-1 MS
Matrix: Water
Analysis Batch: 200658

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	51.0		ug/L		102	70 - 130
Arsenic	<1.0		50.0	56.7		ug/L		113	70 - 130
Beryllium	<0.30		50.0	53.2		ug/L		106	70 - 130
Cadmium	<0.50		50.0	54.8		ug/L		110	70 - 130
Chromium	<0.90		50.0	51.2		ug/L		102	70 - 130
Copper	<1.0		50.0	52.6		ug/L		105	70 - 130
Lead	<0.50		50.0	53.9		ug/L		108	70 - 130
Nickel	<5.0		50.0	51.2		ug/L		102	70 - 130
Selenium	<2.0	F1	50.0	67.7	F1	ug/L		135	70 - 130
Silver	<0.50		50.0	46.5		ug/L		93	70 - 130
Thallium	<0.30		50.0	53.5		ug/L		107	70 - 130
Zinc	<5.0		50.0	56.4		ug/L		113	70 - 130

Lab Sample ID: 380-193816-B-1 MSD
Matrix: Water
Analysis Batch: 200658

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	50.9		ug/L		102	70 - 130	0	20
Arsenic	<1.0		50.0	56.6		ug/L		113	70 - 130	0	20
Beryllium	<0.30		50.0	53.5		ug/L		107	70 - 130	1	20
Cadmium	<0.50		50.0	54.9		ug/L		110	70 - 130	0	20
Chromium	<0.90		50.0	50.9		ug/L		102	70 - 130	1	20
Copper	<1.0		50.0	52.7		ug/L		105	70 - 130	0	20
Lead	<0.50		50.0	53.9		ug/L		108	70 - 130	0	20
Nickel	<5.0		50.0	50.8		ug/L		102	70 - 130	1	20
Selenium	<2.0	F1	50.0	67.4	F1	ug/L		135	70 - 130	1	20
Silver	<0.50		50.0	48.3		ug/L		97	70 - 130	4	20
Thallium	<0.30		50.0	53.6		ug/L		107	70 - 130	0	20
Zinc	<5.0		50.0	56.4		ug/L		113	70 - 130	0	20

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-200659/49
Matrix: Water
Analysis Batch: 200659

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	ug/L			01/23/26 13:16	1

Lab Sample ID: LCS 380-200659/51
Matrix: Water
Analysis Batch: 200659

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.970		ug/L		97	85 - 115

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCSD 380-200659/52
Matrix: Water
Analysis Batch: 200659

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	1.01		ug/L		101	85 - 115	4	20

Lab Sample ID: LLCS 380-200659/50
Matrix: Water
Analysis Batch: 200659

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	0.204		ug/L		102	50 - 150		

Lab Sample ID: 380-193782-K-1 MS
Matrix: Water
Analysis Batch: 200659

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	RPD	RPD Limit
Mercury	<0.20		1.00	0.974		ug/L		97	70 - 130		

Lab Sample ID: 380-193782-K-1 MSD
Matrix: Water
Analysis Batch: 200659

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	1.00		ug/L		100	70 - 130	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-200942/1
Matrix: Water
Analysis Batch: 200942

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.0		4.0	mg/L			01/23/26 16:45	1
Bicarbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			01/23/26 16:45	1
Carbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			01/23/26 16:45	1

Lab Sample ID: LCS 380-200942/4
Matrix: Water
Analysis Batch: 200942

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	100	93.1		mg/L		93	90 - 110		

Lab Sample ID: LCSD 380-200942/19
Matrix: Water
Analysis Batch: 200942

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	93.7		mg/L		94	90 - 110	1	20

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LLCS 380-200942/5
Matrix: Water
Analysis Batch: 200942

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

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

Lab Sample ID: MRL 380-200942/3
Matrix: Water
Analysis Batch: 200942

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	4.00	3.31	J	mg/L		83	50 - 150

Lab Sample ID: 380-193593-AO-1 MS
Matrix: Water
Analysis Batch: 200942

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	22		100	113		mg/L		90	80 - 120

Lab Sample ID: 380-193593-AO-1 MSD
Matrix: Water
Analysis Batch: 200942

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	22		100	114		mg/L		92	80 - 120	2	20

Lab Sample ID: 380-193593-AO-1 DU
Matrix: Water
Analysis Batch: 200942

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	22		22.1		mg/L		0.3	20
Bicarbonate Alkalinity as CaCO3	22		22.1		mg/L		0.3	20
Carbonate Alkalinity as CaCO3	<4.0		<4.0		mg/L		NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-200945/3
Matrix: Water
Analysis Batch: 200945

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<2.0		2.0	umhos/cm			01/23/26 16:45	1

Lab Sample ID: LCS 380-200945/5
Matrix: Water
Analysis Batch: 200945

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	998		umhos/cm		100	90 - 110

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: LCSD 380-200945/17
Matrix: Water
Analysis Batch: 200945

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Specific Conductance	1000	992		umhos/cm		99	90 - 110	1	10

Lab Sample ID: MRL 380-200945/4
Matrix: Water
Analysis Batch: 200945

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

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

Lab Sample ID: 380-193593-AO-1 DU
Matrix: Water
Analysis Batch: 200945

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	120		125		umhos/cm		0.2	20

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

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	mg/L			01/23/26 13:46	1

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

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

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	700	692		mg/L		99	80 - 114		

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	175	178		mg/L		102	80 - 114		

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

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

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

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

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

Lab Sample ID: 380-193963-BJ-1 DU
Matrix: Water
Analysis Batch: 200564

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	230		226		mg/L		0	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-201274/6
Matrix: Water
Analysis Batch: 201274

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.050		0.050	mg/L			01/26/26 16:13	1

Lab Sample ID: LCS 380-201274/8
Matrix: Water
Analysis Batch: 201274

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	1.05		mg/L		105	90 - 110

Lab Sample ID: LCSD 380-201274/9
Matrix: Water
Analysis Batch: 201274

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.00	1.05		mg/L		105	90 - 110	0	10

Lab Sample ID: MRL 380-201274/7
Matrix: Water
Analysis Batch: 201274

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.0500	0.0522		mg/L		104	50 - 150

Lab Sample ID: 170-3169-A-2 MS
Matrix: Water
Analysis Batch: 201274

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.057		1.00	1.10		mg/L		105	80 - 120

Lab Sample ID: 170-3169-A-2 MSD
Matrix: Water
Analysis Batch: 201274

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.057		1.00	1.11		mg/L		105	80 - 120	1	20

QC Sample Results

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-200947/5
Matrix: Water
Analysis Batch: 200947

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.6			SU			01/23/26 16:45	1

Lab Sample ID: LCS 380-200947/6
Matrix: Water
Analysis Batch: 200947

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 380-200947/18
Matrix: Water
Analysis Batch: 200947

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: 380-193593-AO-1 DU
Matrix: Water
Analysis Batch: 200947

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	2

Method: SM 4500 S2 D - Sulfide, Total

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.050		0.050	mg/L			01/26/26 11:07	1

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.250	0.262		mg/L		105	90 - 110

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	0.250	0.260		mg/L		104	90 - 110	1	20

QC Sample Results

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

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

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

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.0500	0.0586		mg/L		117	50 - 150

Lab Sample ID: 380-193582-J-1 MS
Matrix: Water
Analysis Batch: 200976

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		0.250	0.224		mg/L		90	80 - 120

Lab Sample ID: 380-193582-J-1 MSD
Matrix: Water
Analysis Batch: 200976

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		0.250	0.208		mg/L		83	80 - 120	8	20

QC Association Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

GC/MS VOA

Analysis Batch: 203171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	524.2	
MB 380-203171/8	Method Blank	Total/NA	Water	524.2	
LCS 380-203171/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-203171/6	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-203171/3	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-203171/4	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 203204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-2	TB:AIEA GULCH WELLS P2	Total/NA	Water	524.2	
MB 380-203204/5	Method Blank	Total/NA	Water	524.2	
LCS 380-203204/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-203204/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Analysis Batch: 203486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 200931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	525.2	
MB 380-200931/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-200931/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-200931/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-193902-B-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-193911-B-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 201255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	525.2	200931
MB 380-200931/21-A	Method Blank	Total/NA	Water	525.2	200931
LCS 380-200931/23-A	Lab Control Sample	Total/NA	Water	525.2	200931
MRL 380-200931/22-A	Lab Control Sample	Total/NA	Water	525.2	200931
380-193902-B-1-A MS	Matrix Spike	Total/NA	Water	525.2	200931
380-193911-B-1-A DU	Duplicate	Total/NA	Water	525.2	200931

Prep Batch: 686409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1 - RA	AIEA GULCH WELLS P2	Total/NA	Water	625.1	
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	625.1	
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-686409/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-686409/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 689715

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

Eurofins Pomona

QC Association Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

GC/MS Semi VOA

Analysis Batch: 691132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1 - RA	AIEA GULCH WELLS P2	Total/NA	Water	625.1 SIM	686409

Analysis Batch: 691586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	625.1	686409
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1	686409

GC VOA

Analysis Batch: 687650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	8015B GRO LL	
380-193831-2	TB:AIEA GULCH WELLS P2	Total/NA	Water	8015B GRO LL	
MB 570-687650/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-687650/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-687650/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-687650/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-193582-X-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-193582-Y-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 200446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	505	
MB 380-200446/3-A	Method Blank	Total/NA	Water	505	
LCS 380-200446/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-200446/29-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-200446/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-200446/30-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-200446/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-200446/2-A	Lab Control Sample	Total/NA	Water	505	
380-193784-C-1-A MS	Matrix Spike	Total/NA	Water	505	
380-193784-D-1-A MS	Matrix Spike	Total/NA	Water	505	
380-193794-B-1-A MS	Matrix Spike	Total/NA	Water	505	
380-193794-D-1-A MS	Matrix Spike	Total/NA	Water	505	

Prep Batch: 200585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	504.1	
380-193831-2	TB:AIEA GULCH WELLS P2	Total/NA	Water	504.1	
MBL 380-200585/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-200585/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-200585/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-200585/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-193778-G-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-193779-G-1-A DU	Duplicate	Total/NA	Water	504.1	

Analysis Batch: 200964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	505	200446
MB 380-200446/3-A	Method Blank	Total/NA	Water	505	200446

Eurofins Pomona

QC Association Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

GC Semi VOA (Continued)

Analysis Batch: 200964 (Continued)

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

Analysis Batch: 200989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	504.1	200585
380-193831-2	TB:AIEA GULCH WELLS P2	Total/NA	Water	504.1	200585
MBL 380-200585/4-A	Method Blank	Total/NA	Water	504.1	200585
LCS 380-200585/29-A	Lab Control Sample	Total/NA	Water	504.1	200585
MRL 380-200585/2-A	Lab Control Sample	Total/NA	Water	504.1	200585
MRL 380-200585/3-A	Lab Control Sample	Total/NA	Water	504.1	200585
380-193778-G-1-A MS	Matrix Spike	Total/NA	Water	504.1	200585
380-193779-G-1-A DU	Duplicate	Total/NA	Water	504.1	200585

Prep Batch: 686737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	3510C	
MB 570-686737/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-686737/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-686737/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-686737/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-194233-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-194233-D-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 687657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	8015B	
MB 570-687657/3	Method Blank	Total/NA	Water	8015B	
LCS 570-687657/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-687657/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-687657/4	Lab Control Sample	Total/NA	Water	8015B	
570-263912-C-1 MS	Matrix Spike	Total/NA	Water	8015B	
570-263912-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 688261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	8015B	686737
MB 570-686737/1-A	Method Blank	Total/NA	Water	8015B	686737
LCS 570-686737/2-A	Lab Control Sample	Total/NA	Water	8015B	686737
LCSD 570-686737/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	686737
MRL 570-686737/4-A	Lab Control Sample	Total/NA	Water	8015B	686737
380-194233-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	686737
380-194233-D-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	686737

Eurofins Pomona

QC Association Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

HPLC/IC

Analysis Batch: 200177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	300.0	
MB 380-200177/4	Method Blank	Total/NA	Water	300.0	
LCS 380-200177/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-200177/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-200177/5	Lab Control Sample	Total/NA	Water	300.0	
380-193793-C-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-193793-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 200178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	300.0	
MB 380-200178/4	Method Blank	Total/NA	Water	300.0	
LCS 380-200178/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-200178/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-200178/5	Lab Control Sample	Total/NA	Water	300.0	
380-193793-C-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-193793-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 201408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	300.0	
MB 380-201408/6	Method Blank	Total/NA	Water	300.0	
LCS 380-201408/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-201408/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-201408/5	Lab Control Sample	Total/NA	Water	300.0	
380-193822-AX-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-193822-AX-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 200612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	200.7 Rev 4.4	
MBL 380-200612/38	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-200612/40	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-200612/41	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-200612/39	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-193763-BE-1 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-193763-BE-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 200658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	200.8	
MBL 380-200658/49	Method Blank	Total/NA	Water	200.8	
LCS 380-200658/51	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-200658/52	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-200658/50	Lab Control Sample	Total/NA	Water	200.8	
380-193816-B-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-193816-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

QC Association Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Metals

Analysis Batch: 200659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	200.8	
MBL 380-200659/49	Method Blank	Total/NA	Water	200.8	
LCS 380-200659/51	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-200659/52	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-200659/50	Lab Control Sample	Total/NA	Water	200.8	
380-193782-K-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-193782-K-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 200564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	SM 2540C	
MB 380-200564/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-200564/4	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-200564/3	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-200564/2	Lab Control Sample	Total/NA	Water	SM 2540C	
380-193963-BJ-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 200942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	SM 2320B	
MB 380-200942/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-200942/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-200942/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-200942/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-200942/3	Lab Control Sample	Total/NA	Water	SM 2320B	
380-193593-AO-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-193593-AO-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-193593-AO-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 200945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	SM 2510B	
MB 380-200945/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-200945/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-200945/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-200945/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-193593-AO-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 200947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	SM 4500 H+ B	
MB 380-200947/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-200947/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-200947/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-193593-AO-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 200976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	SM 4500 S2 D	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

General Chemistry (Continued)

Analysis Batch: 200976 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-200976/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-200976/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-200976/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-200976/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-193582-J-1 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 D	
380-193582-J-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 201274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193831-1	AIEA GULCH WELLS P2	Total/NA	Water	SM 4500 F C	
MB 380-201274/6	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-201274/8	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-201274/9	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-201274/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	
170-3169-A-2 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
170-3169-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Lab Chronicle

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Client Sample ID: AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-1

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	203171	N4CJ	EA POM	02/04/26 00:30
Total/NA	Analysis	524.2		1	203486	UKCP	EA POM	02/04/26 00:30
Total/NA	Prep	525.2			200931	OTM3	EA POM	01/26/26 07:48
Total/NA	Analysis	525.2		1	201255	UPAC	EA POM	01/27/26 14:13
Total/NA	Prep	625.1			686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1		1	691586	J7WE	EET CAL 4	02/04/26 22:34
Total/NA	Prep	625.1	RA		686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1 SIM	RA	1	691132	PQS1	EET CAL 4	02/04/26 09:02
Total/NA	Analysis	8015B GRO LL		1	687650	A9VE	EET CAL 4	01/27/26 20:23
Total/NA	Prep	504.1			200585	GVC6	EA POM	01/23/26 15:33 - 01/23/26 16:44 ¹
Total/NA	Analysis	504.1		1	200989	GVC6	EA POM	01/23/26 23:31
Total/NA	Prep	505			200446	DR5R	EA POM	01/23/26 13:26 - 01/23/26 14:30 ¹
Total/NA	Analysis	505		1	200964	DR5R	EA POM	01/23/26 20:09
Total/NA	Prep	3510C			686737	TVD6	EET CAL 4	01/25/26 10:38
Total/NA	Analysis	8015B		1	688261	NR	EET CAL 4	01/28/26 18:19
Total/NA	Analysis	8015B		1	687657	ZE2W	EET CAL 4	01/27/26 18:21
Total/NA	Analysis	300.0		2	200177	DXD4	EA POM	01/22/26 16:36
Total/NA	Analysis	300.0		2	200178	DXD4	EA POM	01/22/26 16:36
Total/NA	Analysis	300.0		1	201408	UNJR	EA POM	01/28/26 01:43
Total/NA	Analysis	200.7 Rev 4.4		1	200612	MF7S	EA POM	01/23/26 12:09
Total/NA	Analysis	200.8		1	200658	T8BB	EA POM	01/23/26 14:07
Total/NA	Analysis	200.8		1	200659	T8BB	EA POM	01/23/26 14:07
Total/NA	Analysis	SM 2320B		1	200942	PK4Q	EA POM	01/23/26 20:34
Total/NA	Analysis	SM 2510B		1	200945	PK4Q	EA POM	01/23/26 20:34
Total/NA	Analysis	SM 2540C		1	200564	UJRF	EA POM	01/23/26 13:46
Total/NA	Analysis	SM 4500 F C		1	201274	PK4Q	EA POM	01/26/26 17:50
Total/NA	Analysis	SM 4500 H+ B		1	200947	PK4Q	EA POM	01/23/26 20:34
Total/NA	Analysis	SM 4500 S2 D		1	200976	MH2L	EA POM	01/26/26 11:07

Client Sample ID: TB:AIEA GULCH WELLS P2

Lab Sample ID: 380-193831-2

Date Collected: 01/21/26 09:30

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	203204	WE3W	EA POM	02/04/26 10:17
Total/NA	Analysis	8015B GRO LL		1	687650	A9VE	EET CAL 4	01/28/26 01:48
Total/NA	Prep	504.1			200585	GVC6	EA POM	01/23/26 15:33 - 01/23/26 16:44 ¹
Total/NA	Analysis	504.1		1	200989	GVC6	EA POM	01/23/26 23:52

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

Laboratory: Eurofins Pomona

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
505	505	Water	Polychlorinated biphenyls, Total
524.2		Water	1,3-Dichloropropene, Total
524.2		Water	2-Butanone (MEK)
524.2		Water	Acetone
524.2		Water	Bromodichloromethane
524.2		Water	Bromoethane
524.2		Water	Bromoform
524.2		Water	Chlorodibromomethane
524.2		Water	Chloroform (Trichloromethane)
524.2		Water	m,p Xylenes
524.2		Water	o-Xylene
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525.2	525.2	Water	4,4'-DDT
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbutylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor

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

Accreditation/Certification Summary

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

Job ID: 380-193831-1
 SDG: Quarterly: Aiea Gulch Wells P2

Laboratory: Eurofins Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 S2 D		Water	Sulfide

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26 *
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

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

Method Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Method	Method Description	Protocol	Laboratory
524.2	Total Trihalomethanes	EPA-DW	EA POM
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA POM
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET CAL 4
625.1 SIM	Semivolatile Organic Compounds GC/MS (SIM)	EPA	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
504.1	EDB, DBCP and 1,2,3-TCP (GC)	EPA-DW2	EA POM
505	Organochlorine Pesticides/PCBs (GC)	EPA	EA POM
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
8015B	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	EET CAL 4
300.0	Anions, Ion Chromatography	EPA	EA POM
200.7 Rev 4.4	Metals (ICP)	EPA	EA POM
200.8	Mercury (ICP/MS)	EPA	EA POM
200.8	Metals (ICP/MS)	EPA	EA POM
SM 2320B	Alkalinity	SM	EA POM
SM 2510B	Conductivity, Specific Conductance	SM	EA POM
SM 2540C	Solids, Total Dissolved (TDS)	SM	EA POM
SM 4500 F C	Fluoride	SM	EA POM
SM 4500 H+ B	pH	SM	EA POM
SM 4500 S2 D	Sulfide, Total	SM	EA POM
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
504.1	Microextraction	EPA-DW	EA POM
505	Extraction, Organohalide Pesticides	EPA	EA POM
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4
None	Autocomplete Prep - Metals - No Digestion required	None	EA POM

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
EPA = US Environmental Protection Agency
EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.
EPA-DW2 = "Methods For The Determination of Organic Compounds in Drinking Water - Supplement III ", EPA/600/R-95-131, August 1995
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 380-193831-1
SDG: Quarterly: Aiea Gulch Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-193831-1	AIEA GULCH WELLS P2	Water	01/21/26 09:30	01/22/26 09:55	Hawaii
380-193831-2	TB:AIEA GULCH WELLS P2	Water	01/21/26 09:30	01/22/26 09:55	Hawaii

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Monrovia, CA (Suite 100)
 750 Royal Oaks Drive Suite 100
 Monrovia, CA 91016
 Phone (626) 386-1100

Chain of Custody Record



Envir
Amerl



COC No: 380-193831 COC

Client Information
 Client Contact: Kai Edison
 Phone: +1 (808) 748-5840
 E-Mail: Marra.Lopez@et.euromisus.com
 PWSID:
 Lab PM: Lopez, Maria
 Carrier Tracking No(s):
 State of Origin:
 Page: Page 1 of 2
 Job #:

Due Date Requested
 TAT Requested (days):
 Compliance Project: Δ No
 PO #: C20525101 exp 06312023
 WO #:
 Project #: 38001111
 SOW#:
 Site: Hawaii

Analysis Requested

Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	504.1_PREC, 505_LL_PREC	220B, 2510B, SM4500_H+	200.7, 200.8	2540C_Calcd - Total dissolved Solids (TDS)	SM4500_S2.D - Sulfide, Total	524.2_Pres_PREC, 524.2_SIM_PREC	525.2_PREC - 525plus PLUS TICs	300_OF_28D_B, 300_OF_28D_PREC, 300_OF_48H_PREC, 4500_F_C	245.1	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C38/C8-C18	8015B_DAI - Ethanol	625.1, 626.1, SIM	Total Number of Containers
		6	1	1	1	1	6	3	2	1	3	2	2	2	

Sample Identification

Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)	Preservation Code	Special Instructions/Note:
21-Jan-2026	9:30	G	Water		
21-Jan-2026	9:30	G	Water		TB bottle of 524.2 and 8015B broke.

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested I, II, III, IV Other (specify)
 Empty Kit Relinquished by:
 Relinquished by: [Redacted]
 Relinquished by: [Redacted]
 Relinquished by: [Redacted]

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For Months
 Special Instructions/QC Requirements:
 Method of Shipment: 127
 Date/Time: 1/21/26 12:00
 Date/Time: 1/22/26 9:55
 Date/Time: [Redacted]
 Date/Time: [Redacted]
 Date/Time: [Redacted]
 Company: HBWS
 Company: [Redacted]
 Company: [Redacted]
 Cooler Temperature(s) °C and Other Remarks: 6182/3.8 = 3.8 CEL
 Custody Seals Intact: Δ Yes Δ No
 Custody Seal No.

ORIGIN ID:HIKA (808) 748-5840 SHIP DATE: 21 JAN 26
BWS CHEM LAB ACTWGT: 62.00 LB
HONOLULU BOARD OF WATER SUPPLY CAD: 25805055ZINET4535
630 S. BERE TANIA ST. BILL RECIPIENT
CHEMICAL LABORATORY
HONOLULU, HI 96843

TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR
POMONA CA 91768

(626) 386-1100 REF: 58KJ4747B/484B
INV- PO: DEPT:



10 of 13
MPS# 8881 0123 3202
Mstr# 8881 0123 3110
THU - 22 JAN 10:30A
PRIORITY OVERNIGHT
WM ONTA 91768
CA-US ONT



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Chain of Custody Record



Client Information		Sampler: Kai Edison		Lab PM: Lopez, Maria		Carrier Tracking No(s)		COC No:	
Client Contact: Kirk Iwamoto		Phone: +1 (808) 748-5840		E-Mail: Maria.Lopez@et.eurofins.com		State of Origin:		Page: Page 2 of 2	
Company: City & County of Honolulu		FWSID:		Analysis Requested		Job #:		Preservation Codes:	
Address: 630 South Beretania Street, Chemistry Lab		City: Honolulu		State, Zip: HI, 96843		Phone: 808-748-5040 (tel)		E-Mail: kirkwamoto@hbws.org	
Project Name: RED-HILL		Site: Hawaii		Sample Date: 21-Jan-2026		Sample Time: G		Matrix: Water	
Project #: 38001111		SSOW#:		Sample Date: 21-Jan-2026		Sample Time: G		Matrix: Water	
Compliance Project: Δ No		PO #: C20525101 exp 05312023		Sample Date: 21-Jan-2026		Sample Time: G		Matrix: Water	
TAT Requested (days):		Due Date Requested:		Sample Date: 21-Jan-2026		Sample Time: G		Matrix: Water	
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		604_1_PREC		R		Special Instructions/Note:	
Sample Identification		Aiea Gulch Wells P2		Sample Date: 21-Jan-2026		Sample Time: G		Matrix: Water	
TB: Aiea Gulch Wells P2		Sample Date: 21-Jan-2026		Sample Time: G		Matrix: Water		Total Number of Containers	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Special Instructions/Note:	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Date: 1/21/26 12:00		Company: HBWS		Received by: [Signature]	
Relinquished by: Kai Edison		Date: 1/21/26 12:00		Company: HBWS		Received by: [Signature]		Date/Time: 1/21/26 9:55	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No. 38662		Cooler Temperature(s) °C and Other Remarks:		38 Sec		Ver: 01/16/2019	



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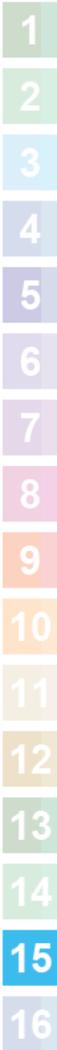
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Chain of Custody Record



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Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1																																																																		
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii			Job #: 380-193831-1																																																																		
Address: 2841 Dow Avenue, Suite 100, City: Tustin State, Zip CA, 92780		Due Date Requested: 2/4/2026	<table border="1"> <thead> <tr> <th colspan="10">Analysis Requested</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>80156_DAI(Ethanol)</td> <td>80156_DRO_LL_CS5519C_LLHNL Ranges: C16-C24/C24-C36/C8-C18</td> <td>80156_GRO_LLJ5030C(MOD) GRO</td> <td>625-1_SIM625_Prep(MOD) Extended List</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </table>			Analysis Requested										Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	80156_DAI(Ethanol)	80156_DRO_LL_CS5519C_LLHNL Ranges: C16-C24/C24-C36/C8-C18	80156_GRO_LLJ5030C(MOD) GRO	625-1_SIM625_Prep(MOD) Extended List																																														Preservation Codes: -				
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AIEA GULCH WELLS P2 (380-193831-1)	1/21/26	09:30 Hawaiian				G	Water			X	X	X	X	9	MRLs are needed., MRLs are needed. Confirm any hits >RL.																																																								
TB:AIEA GULCH WELLS P2 (380-193831-2)	1/21/26	09:30 Hawaiian				G	Water					X		1	MRLs are needed. Confirm any hits >RL.																																																								



Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: <i>Mark Martin</i>		Date/Time: 1/22/26 1550	Company: <i>EEAP</i>	Received by: <i>[Signature]</i> Date/Time: 1/22/26 1550 Company: <i>LP</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: 1/22/26 1700	Company: <i>WP</i>	Received by: <i>[Signature]</i> Date/Time: 1/22/26 1700 Company: <i>RP</i>	
Relinquished by:		Date/Time:	Company:	Received by: Date/Time: Company:	
Custody Seals Intact: △ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: <i>1.4/15 Secs</i>			



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-297410.1									
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1									
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii			Job #: 380-193831-1									
Address: 2841 Dow Avenue, Suite 100, City: Tustin State, Zip CA, 92780		Due Date Requested: 2/4/2026	Analysis Requested			Preservation Codes: -								
City: Tustin		TAT Requested (days): N/A												
State, Zip CA, 92780		PC #: N/A												
Phone: 714-895-5494(Tel)		WO #: N/A												
Email: N/A		Project #: 38001111												
Project Name: RED-HILL		SSOW#: N/A	Total Number of Containers: 9											
Site: Honolulu BWS Sites		Other: N/A			Special Instructions/Note:									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=waster, S=solid, O=wastefolk, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	80166_DAIEthanol	80166_DRO_LL_CS9519C_LLHNL Ranges: C16-C24/C24-C36/C8-C18	80150_GRO_LLJ5030C(MOD) GRO	625-1_SIM625_Prep(MOD) Extended List	9	Special Instructions/Note:		
AIEA GULCH WELLS P2 (380-193831-1)	1/21/26	09:30 Hawaiian	G	Water			X	X	X	X		MRLs are needed., MRLs are needed. Confirm any hits >RL.		
TB:AIEA GULCH WELLS P2 (380-193831-2)	1/21/26	09:30 Hawaiian	G	Water					X		1	MRLs are needed. Confirm any hits >RL.		
 380-193831 Chain of Custody														
Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.														
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months								
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2								
Special Instructions/QC Requirements:														
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment:					
Relinquished by: <i>Mark Martin</i>			Date/Time: 1/22/26 1550			Company: <i>EEAP</i>			Received by: <i>[Signature]</i>			Date/Time: 1/22/26 1550		
Relinquished by: <i>[Signature]</i>			Date/Time: 1/22/26 1700			Company: <i>WP</i>			Received by: <i>[Signature]</i>			Date/Time: 1/22/26 1700		
Relinquished by:			Date/Time:			Company:			Received by:			Date/Time:		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <i>1.4/15 Secs</i>								

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-193831-1
SDG Number: Quarterly: Aiea Gulch Wells P2

Login Number: 193831
List Number: 1
Creator: Edrosa, Rey

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.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-193831-1
SDG Number: Quarterly: Aiea Gulch Wells P2

Login Number: 193831

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 01/22/26 06:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	