

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Quarterly: Aiea Gulch Wells P1, P2

JOB NUMBER

380-225354-1

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



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Definitions/Glossary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
^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.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
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.

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Analyte was found in the associated method blank.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Definitions/Glossary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 380-225354-1

Job ID: 380-225354-1

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Job Narrative 380-225354-1

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

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

Receipt

The samples were received on 7/16/2026 9:52 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 1.4°C.

GC/MS VOA

Method 524.2: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-225354-1) [Analytical Batch 810-203650] [524.2]: Surrogate 1,2-dichlorobenzene-d4 (69%) recovered outside the lower acceptance limit of 70%. No additional vials remained to repeat the sample.

Method 524.2: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-225354-1), AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-225354-2), TB:AIEA GULCH WELLS P1 (331-201-TP071) (380-225354-3) and TB:AIEA GULCH WELLS P2 (331-202-TP072) (380-225354-4) [Analytical Batch 810-203650] [524.2]: The bracketing continuing calibration verification (CCV) area recovered outside the acceptance criteria and was low-biased relative to the preceding CCV for the internal standards fluorobenzene (65%) and chlorobenzene-d5 (69%). No additional vials remained to perform a repeat analysis. This applies to 2-methyl-2-propanol only. Due to these low recovery issues of the internal standards a follow up sample was collected on 08/24/26 under job # 380-233080-01 analysis of method 524.2 for TBA is currently in progress. (XWB4)

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: Surrogate recovery for the following samples were outside control limits: (570-287619-C-2-A MS) and (570-287619-C-2-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 625.1 SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-771081 and analytical batch 570-772963 recovered outside control limits for the following analyte(s): 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, Aniline and Benzidine. 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, 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 570-771081 and analytical batch 570-772963 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline and Aniline.

Method 625.1 SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-771081 and analytical batch 570-772963 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 625.1 SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 570-771081 and analytical batch 570-772963 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 625.1 SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-771023 and analytical batch 570-771785 recovered outside control limits for the following analyte(s): Aniline and Benzidine. Aniline and Benzidine have been identified as a poor performing analyte when analyzed using this method; therefore, re-

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Case Narrative

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

Job ID: 380-225354-1

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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 570-771023 and analytical batch 570-771785 recovered outside control limits for the following analytes: Aniline and Benzidine.

Method 625.1 SIM: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 570-771023 and analytical batch 570-772960 exceeded control limits for the following analyte(s): 4-Nitrophenol and Benzidine, Note that this analyte is a known poor performer when analyzed using this method.

Method 625.1 SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 570-771023 and analytical batch 570-772960 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

Method 8015B: The method reporting limit check (MRL) for preparation batch 570-771057 and analytical batch 570-775508 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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

GC Semi VOA

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

Hydrocarbons

Method 8015B: The continuing calibration verification (CCV) associated with 570-772824 recovered high and outside the control limits for Ethanol on one column. Results are confirmed on both columns and reported from the passing column.

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

Pesticides/PCBs

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

HPLC/IC

Method 300.0: The following samples were diluted for Nitrite as N to prevent detector saturation due to high conductivity: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-225354-1) and AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-225354-2). 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 instrument blank for analytical batch 380-240918 contained Magnesium greater than the method detection limit (MDL), and were not reanalyzed because all reported samples associated with this ICB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the ICB. The data have been qualified and reported.

Method 200.7 Rev 4.4: The continuing calibration blank (CCB) for analytical batch 380-240918 contained Magnesium above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 200.7 Rev 4.4: The method blank for analytical batch 380-240918 contained Magnesium above the method detection limit (MDL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

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Case Narrative

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

Job ID: 380-225354-1

Job ID: 380-225354-1 (Continued)

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General Chemistry

Method SM 2510B: The instrument blank(CCB) contained conductivity greater than the method detection limit (MDL), and were not reanalyzed because sample results are greater than 10x value found in instrument blank. The data have been qualified and reported.

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: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	270		5.0	ug/L	1		300.0	Total/NA
Chloride	86		1.0	mg/L	2		300.0	Total/NA
Nitrate as N	0.60		0.10	mg/L	2		300.0	Total/NA
Sulfate	12		0.50	mg/L	2		300.0	Total/NA
Calcium	18		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	15	^2 B	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	30		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.9		0.90	ug/L	1		200.8	Total/NA
Copper	7.5		1.0	ug/L	1		200.8	Total/NA
Lead	1.4		0.50	ug/L	1		200.8	Total/NA
Zinc	24		5.0	ug/L	1		200.8	Total/NA
Alkalinity	54		2.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	54		2.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	430		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	310		20	mg/L	1		SM 2540C	Total/NA
pH	8.0	HF		SU	1		SM 4500 H+ B	Total/NA

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	120		5.0	ug/L	1		300.0	Total/NA
Chloride	81		1.0	mg/L	2		300.0	Total/NA
Nitrate as N	0.59		0.10	mg/L	2		300.0	Total/NA
Sulfate	11		0.50	mg/L	2		300.0	Total/NA
Calcium	18		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	14	^2 B	0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.0		0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	28		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.9		0.90	ug/L	1		200.8	Total/NA
Copper	3.0		1.0	ug/L	1		200.8	Total/NA
Selenium	2.1		2.0	ug/L	1		200.8	Total/NA
Alkalinity	54		2.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	54		2.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	400	^2	2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	270		20	mg/L	1		SM 2540C	Total/NA
pH	8.0	HF		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-225354-3

No Detections.

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-225354-4

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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			07/22/26 17:59	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			07/22/26 17:59	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/22/26 17:59	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/26 17:59	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/22/26 17:59	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/22/26 17:59	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 17:59	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/22/26 17:59	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			07/22/26 17:59	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/22/26 17:59	1
1,2-Dichloropropane	<0.25		0.25	ug/L			07/22/26 17:59	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/22/26 17:59	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/22/26 17:59	1
2-Butanone (MEK)	<5.0		5.0	ug/L			07/22/26 17:59	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0	ug/L			07/22/26 17:59	1
Benzene	<0.50		0.50	ug/L			07/22/26 17:59	1
Bromobenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
Bromochloromethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Bromodichloromethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Bromoethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Bromoform	<0.50		0.50	ug/L			07/22/26 17:59	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			07/22/26 17:59	1
Carbon disulfide	<0.50		0.50	ug/L			07/22/26 17:59	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/22/26 17:59	1
Chlorobenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
Chlorodibromomethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Chloroethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			07/22/26 17:59	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			07/22/26 17:59	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 17:59	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 17:59	1
Dibromomethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Dichloromethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Diisopropyl ether	<0.50		0.50	ug/L			07/22/26 17:59	1
Ethylbenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
Hexachlorobutadiene	<0.25		0.25	ug/L			07/22/26 17:59	1
Isopropylbenzene	<0.25		0.25	ug/L			07/22/26 17:59	1
m,p-Xylenes	<0.50		0.50	ug/L			07/22/26 17:59	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			07/22/26 17:59	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			07/22/26 17:59	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.50		0.50	ug/L			07/22/26 17:59	1
n-Butylbenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
N-Propylbenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
o-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 17:59	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			07/22/26 17:59	1
o-Xylene	<0.50		0.50	ug/L			07/22/26 17:59	1
p-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 17:59	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			07/22/26 17:59	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/22/26 17:59	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
Styrene	<0.50		0.50	ug/L			07/22/26 17:59	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			07/22/26 17:59	1
Tert-butyl ethyl ether	<2.0		2.0	ug/L			07/22/26 17:59	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/22/26 17:59	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			07/22/26 17:59	1
Toluene	<0.50		0.50	ug/L			07/22/26 17:59	1
Xylenes, Total	<0.50		0.50	ug/L			07/22/26 17:59	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			07/22/26 17:59	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 17:59	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 17:59	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			07/22/26 17:59	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			07/22/26 17:59	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			07/22/26 17:59	1
Vinyl Chloride (VC)	<0.20		0.20	ug/L			07/22/26 17:59	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/26 17:59	1
Tentatively Identified Compound	None		ug/L			N/A		07/28/26 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 130		07/22/26 17:59	1
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		07/28/26 11:43	1
4-Bromofluorobenzene (Surr)	88		70 - 130		07/22/26 17:59	1
4-Bromofluorobenzene (Surr)	71		70 - 130		07/28/26 11:43	1
Toluene-d8 (Surr)	99		70 - 130		07/22/26 17:59	1
Toluene-d8 (Surr)	97		70 - 130		07/28/26 11:43	1
1,2-Dichlorobenzene-d4 (Surr)	95		70 - 130		07/22/26 17:59	1
1,2-Dichlorobenzene-d4 (Surr)	69	S1-	70 - 130		07/28/26 11:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
2,4'-DDE	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
2,4'-DDT	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
4,4'-DDD	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
4,4'-DDE	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
4,4'-DDT	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Acenaphthylene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Acetochlor	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Alachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
alpha-BHC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
alpha-Chlordane	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Anthracene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 14:27	1
Atrazine	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Benz(a)anthracene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Benzo[a]pyrene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 14:27	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 14:27	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 14:27	1
beta-BHC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		07/21/26 07:35	07/22/26 14:27	1
Aldrin	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Bromacil	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Butachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Butylbenzylphthalate	<0.49		0.49	ug/L		07/21/26 07:35	07/22/26 14:27	1
Chlorobenzilate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Chloroneb	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Chlorpyrifos	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Chrysene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 14:27	1
delta-BHC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		07/21/26 07:35	07/22/26 14:27	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Dieldrin	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Diethylphthalate	<0.49		0.49	ug/L		07/21/26 07:35	07/22/26 14:27	1
Dimethylphthalate	<0.49		0.49	ug/L		07/21/26 07:35	07/22/26 14:27	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		07/21/26 07:35	07/22/26 14:27	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Endosulfan sulfate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Endrin	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Endrin aldehyde	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
EPTC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Fluoranthene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Fluorene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 14:27	1
gamma-Chlordane	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Heptachlor	<0.0098	^3+	0.0098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Hexachlorobenzene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Malathion	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Methoxychlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Metolachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Molinate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Naphthalene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Parathion	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Phenanthrene	<0.039		0.039	ug/L		07/21/26 07:35	07/22/26 14:27	1
Propachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Pyrene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Simazine	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Terbacil	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Terbutylazine	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Thiobencarb	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		07/21/26 07:35	07/22/26 14:27	1
trans-Nonachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 14:27	1
Trifluralin	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
1-Methylnaphthalene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1
2-Methylnaphthalene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 14:27	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/21/26 07:35	07/22/26 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	98		70 - 130	07/21/26 07:35	07/22/26 14:27	1
Perylene-d12	92		70 - 130	07/21/26 07:35	07/22/26 14:27	1
Triphenylphosphate	104		70 - 130	07/21/26 07:35	07/22/26 14:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
2,4,5-Trichlorophenol	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
2,4,6-Trichlorophenol	<0.98		0.98	ug/L		07/19/26 07:42	07/23/26 08:18	1
2,4-Dichlorophenol	<0.98		0.98	ug/L		07/19/26 07:42	07/23/26 08:18	1
2,4-Dinitrophenol	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
2,6-Dichlorophenol	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
2-Chloronaphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
2-Chlorophenol	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
2-Methylphenol	<0.98		0.98	ug/L		07/19/26 07:42	07/23/26 08:18	1
2-Nitroaniline	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
2-Nitrophenol	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
3/4-Methylphenol	<2.0		2.0	ug/L		07/19/26 07:42	07/23/26 08:18	1
3-Nitroaniline	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
4,6-Dinitro-2-methylphenol	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
4-Chloro-3-methylphenol	<0.98		0.98	ug/L		07/19/26 07:42	07/23/26 08:18	1
4-Chloroaniline	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
4-Nitroaniline	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
4-Nitrophenol	<4.9		4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
Acenaphthene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Acenaphthylene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Aniline	<0.20	*- *1	0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Anthracene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzidine	<4.9	*- *1	4.9	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzoic acid	<9.8		9.8	ug/L		07/19/26 07:42	07/23/26 08:18	1
Benzyl alcohol	<0.98		0.98	ug/L		07/19/26 07:42	07/23/26 08:18	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Chrysene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Dibenzofuran	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Fluoranthene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Fluorene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Hexachloroethane	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Naphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Nitrobenzene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Pentachlorophenol	<0.98		0.98	ug/L		07/19/26 07:42	07/23/26 08:18	1
Phenanthrene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1
Phenol	<0.98		0.98	ug/L		07/19/26 07:42	07/23/26 08:18	1
Pyrene	<0.20		0.20	ug/L		07/19/26 07:42	07/23/26 08:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		28 - 127	07/19/26 07:42	07/23/26 08:18	1
2-Fluorobiphenyl (Surr)	72		31 - 120	07/19/26 07:42	07/23/26 08:18	1
2-Fluorophenol (Surr)	50		17 - 120	07/19/26 07:42	07/23/26 08:18	1
Nitrobenzene-d5 (Surr)	75		27 - 120	07/19/26 07:42	07/23/26 08:18	1
Phenol-d6 (Surr)	30		10 - 120	07/19/26 07:42	07/23/26 08:18	1
p-Terphenyl-d14 (Surr)	72		45 - 120	07/19/26 07:42	07/23/26 08:18	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/19/26 07:42	07/28/26 02:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	41		33 - 139	07/19/26 07:42	07/28/26 02:52	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		33 - 126	07/19/26 07:42	07/28/26 02:52	1
2-Fluorophenol (Surr)	50		12 - 120	07/19/26 07:42	07/28/26 02:52	1
Nitrobenzene-d5 (Surr)	73		36 - 120	07/19/26 07:42	07/28/26 02:52	1
Phenol-d6 (Surr)	27		10 - 120	07/19/26 07:42	07/28/26 02:52	1
p-Terphenyl-d14 (Surr)	71		47 - 131	07/19/26 07:42	07/28/26 02:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/24/26 22:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		38 - 134				07/24/26 22:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		07/20/26 15:32	07/20/26 20:40	1
1,2-Dibromo-3-Chloropropane	<0.0099		0.0099	ug/L		07/20/26 15:32	07/20/26 20:40	1
1,2-Dibromoethane	<0.0099		0.0099	ug/L		07/20/26 15:32	07/20/26 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	95		60 - 140			07/20/26 15:32	07/20/26 20:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		07/21/26 13:34	07/21/26 18:10	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 18:10	1
PCB-1016	<0.070		0.070	ug/L		07/21/26 13:34	07/21/26 18:10	1
PCB-1221	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 18:10	1
PCB-1232	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 18:10	1
PCB-1242	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 18:10	1
PCB-1248	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 18:10	1
PCB-1254	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 18:10	1
PCB-1260	<0.070		0.070	ug/L		07/21/26 13:34	07/21/26 18:10	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 18:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	112		70 - 130			07/21/26 13:34	07/21/26 18:10	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		07/19/26 09:04	07/28/26 14:52	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		07/19/26 09:04	07/28/26 14:52	1
C8-C18	<26		26	ug/L		07/19/26 09:04	07/28/26 14:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	116		60 - 130			07/19/26 09:04	07/28/26 14:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10	mg/L			07/22/26 19:43	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	91		52 - 149		07/22/26 19:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	270		5.0	ug/L			07/21/26 21:09	1
Chloride	86		1.0	mg/L			07/16/26 16:58	2
Nitrate as N	0.60		0.10	mg/L			07/16/26 16:58	2
Nitrite as N	<0.10		0.10	mg/L			07/16/26 16:58	2
Sulfate	12		0.50	mg/L			07/16/26 16:58	2

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	18		0.10	mg/L			07/17/26 12:33	1
Magnesium	15	^2 B	0.10	mg/L			07/17/26 12:33	1
Potassium	2.1		0.20	mg/L			07/17/26 12:33	1
Sodium	30		0.10	mg/L			07/17/26 12:33	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L			07/17/26 14:34	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	ug/L			07/17/26 14:34	1
Arsenic	<1.0		1.0	ug/L			07/17/26 14:34	1
Beryllium	<0.30		0.30	ug/L			07/17/26 14:34	1
Cadmium	<0.50		0.50	ug/L			07/17/26 14:34	1
Chromium	1.9		0.90	ug/L			07/17/26 14:34	1
Copper	7.5		1.0	ug/L			07/17/26 14:34	1
Lead	1.4		0.50	ug/L			07/17/26 14:34	1
Nickel	<5.0		5.0	ug/L			07/17/26 14:34	1
Selenium	<2.0		2.0	ug/L			07/17/26 14:34	1
Silver	<0.50		0.50	ug/L			07/17/26 14:34	1
Thallium	<0.30		0.30	ug/L			07/17/26 14:34	1
Zinc	24		5.0	ug/L			07/17/26 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	54		2.0	mg/L			07/20/26 21:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	54		2.0	mg/L			07/20/26 21:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<2.0		2.0	mg/L			07/20/26 21:47	1
Specific Conductance (SM 2510B)	430		2.0	umhos/cm			07/20/26 21:47	1
Total Dissolved Solids (SM 2540C)	310		20	mg/L			07/17/26 13:03	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			07/20/26 22:44	1
pH (SM 4500 H+ B)	8.0	HF		SU			07/20/26 21:47	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			07/20/26 14:38	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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			07/22/26 22:30	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			07/22/26 22:30	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/22/26 22:30	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/26 22:30	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/22/26 22:30	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/22/26 22:30	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 22:30	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/22/26 22:30	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			07/22/26 22:30	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/22/26 22:30	1
1,2-Dichloropropane	<0.25		0.25	ug/L			07/22/26 22:30	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/22/26 22:30	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/22/26 22:30	1
2-Butanone (MEK)	<5.0		5.0	ug/L			07/22/26 22:30	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0	ug/L			07/22/26 22:30	1
Benzene	<0.50		0.50	ug/L			07/22/26 22:30	1
Bromobenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
Bromochloromethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Bromodichloromethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Bromoethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Bromoform	<0.50		0.50	ug/L			07/22/26 22:30	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			07/22/26 22:30	1
Carbon disulfide	<0.50		0.50	ug/L			07/22/26 22:30	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/22/26 22:30	1
Chlorobenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
Chlorodibromomethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Chloroethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			07/22/26 22:30	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			07/22/26 22:30	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 22:30	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 22:30	1
Dibromomethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Dichloromethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Diisopropyl ether	<0.50		0.50	ug/L			07/22/26 22:30	1
Ethylbenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
Hexachlorobutadiene	<0.25		0.25	ug/L			07/22/26 22:30	1
Isopropylbenzene	<0.25		0.25	ug/L			07/22/26 22:30	1
m,p-Xylenes	<0.50		0.50	ug/L			07/22/26 22:30	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			07/22/26 22:30	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			07/22/26 22:30	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.50		0.50	ug/L			07/22/26 22:30	1
n-Butylbenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
N-Propylbenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
o-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 22:30	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			07/22/26 22:30	1
o-Xylene	<0.50		0.50	ug/L			07/22/26 22:30	1
p-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 22:30	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			07/22/26 22:30	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/22/26 22:30	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
Styrene	<0.50		0.50	ug/L			07/22/26 22:30	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			07/22/26 22:30	1
Tert-butyl ethyl ether	<2.0		2.0	ug/L			07/22/26 22:30	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/22/26 22:30	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			07/22/26 22:30	1
Toluene	<0.50		0.50	ug/L			07/22/26 22:30	1
Xylenes, Total	<0.50		0.50	ug/L			07/22/26 22:30	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			07/22/26 22:30	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 22:30	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 22:30	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			07/22/26 22:30	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			07/22/26 22:30	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			07/22/26 22:30	1
Vinyl Chloride (VC)	<0.20		0.20	ug/L			07/22/26 22:30	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/26 22:30	1
Tentatively Identified Compound	None		ug/L			N/A		07/28/26 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 - 130		07/22/26 22:30	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		07/28/26 12:07	1
4-Bromofluorobenzene (Surr)	92		70 - 130		07/22/26 22:30	1
4-Bromofluorobenzene (Surr)	75		70 - 130		07/28/26 12:07	1
Toluene-d8 (Surr)	99		70 - 130		07/22/26 22:30	1
Toluene-d8 (Surr)	98		70 - 130		07/28/26 12:07	1
1,2-Dichlorobenzene-d4 (Surr)	95		70 - 130		07/22/26 22:30	1
1,2-Dichlorobenzene-d4 (Surr)	76		70 - 130		07/28/26 12:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
2,4'-DDE	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
2,4'-DDT	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
4,4'-DDD	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
4,4'-DDE	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
4,4'-DDT	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Acenaphthylene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Acetochlor	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Alachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
alpha-BHC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
alpha-Chlordane	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Anthracene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 16:32	1
Atrazine	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Benz(a)anthracene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Benzo[a]pyrene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 16:32	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 16:32	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 16:32	1
beta-BHC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		07/21/26 07:35	07/22/26 16:32	1
Aldrin	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Bromacil	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Butachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Butylbenzylphthalate	<0.49		0.49	ug/L		07/21/26 07:35	07/22/26 16:32	1
Chlorobenzilate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Chloroneb	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Chlorpyrifos	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Chrysene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 16:32	1
delta-BHC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		07/21/26 07:35	07/22/26 16:32	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Dieldrin	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Diethylphthalate	<0.49		0.49	ug/L		07/21/26 07:35	07/22/26 16:32	1
Dimethylphthalate	<0.49		0.49	ug/L		07/21/26 07:35	07/22/26 16:32	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		07/21/26 07:35	07/22/26 16:32	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Endosulfan sulfate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Endrin	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Endrin aldehyde	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
EPTC	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Fluoranthene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Fluorene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 16:32	1
gamma-Chlordane	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Heptachlor	<0.0098	^3+	0.0098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Hexachlorobenzene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Malathion	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Methoxychlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Metolachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Molinate	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Naphthalene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Parathion	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Phenanthrene	<0.039		0.039	ug/L		07/21/26 07:35	07/22/26 16:32	1
Propachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Pyrene	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Simazine	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Terbacil	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Terbutylazine	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Thiobencarb	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		07/21/26 07:35	07/22/26 16:32	1
trans-Nonachlor	<0.049		0.049	ug/L		07/21/26 07:35	07/22/26 16:32	1
Trifluralin	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
1-Methylnaphthalene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1
2-Methylnaphthalene	<0.098		0.098	ug/L		07/21/26 07:35	07/22/26 16:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/21/26 07:35	07/22/26 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	07/21/26 07:35	07/22/26 16:32	1
Perylene-d12	92		70 - 130	07/21/26 07:35	07/22/26 16:32	1
Triphenylphosphate	107		70 - 130	07/21/26 07:35	07/22/26 16:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
2,4,5-Trichlorophenol	<4.9		4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
2,4,6-Trichlorophenol	<0.98		0.98	ug/L		07/19/26 11:06	07/22/26 23:15	1
2,4-Dichlorophenol	<0.98		0.98	ug/L		07/19/26 11:06	07/22/26 23:15	1
2,4-Dinitrophenol	<4.9		4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
2,6-Dichlorophenol	<4.9		4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
2-Chloronaphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
2-Chlorophenol	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
2-Methylphenol	<0.98		0.98	ug/L		07/19/26 11:06	07/22/26 23:15	1
2-Nitroaniline	<4.9		4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
2-Nitrophenol	<4.9		4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
3/4-Methylphenol	<2.0		2.0	ug/L		07/19/26 11:06	07/22/26 23:15	1
3-Nitroaniline	<4.9	*- *1	4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
4,6-Dinitro-2-methylphenol	<4.9		4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
4-Chloro-3-methylphenol	<0.98		0.98	ug/L		07/19/26 11:06	07/22/26 23:15	1
4-Chloroaniline	<4.9	*- *1	4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
4-Nitroaniline	<4.9	*- *1	4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
4-Nitrophenol	<4.9		4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
Acenaphthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Acenaphthylene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Aniline	<0.20	*- *1	0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Anthracene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzidine	<4.9	*-	4.9	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzoic acid	<9.8		9.8	ug/L		07/19/26 11:06	07/22/26 23:15	1
Benzyl alcohol	<0.98		0.98	ug/L		07/19/26 11:06	07/22/26 23:15	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Chrysene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Dibenzofuran	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Fluoranthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Fluorene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Hexachloroethane	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Naphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Nitrobenzene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Pentachlorophenol	<0.98		0.98	ug/L		07/19/26 11:06	07/22/26 23:15	1
Phenanthrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1
Phenol	<0.98		0.98	ug/L		07/19/26 11:06	07/22/26 23:15	1
Pyrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		28 - 127	07/19/26 11:06	07/22/26 23:15	1
2-Fluorobiphenyl (Surr)	69		31 - 120	07/19/26 11:06	07/22/26 23:15	1
2-Fluorophenol (Surr)	44		17 - 120	07/19/26 11:06	07/22/26 23:15	1
Nitrobenzene-d5 (Surr)	69		27 - 120	07/19/26 11:06	07/22/26 23:15	1
Phenol-d6 (Surr)	28		10 - 120	07/19/26 11:06	07/22/26 23:15	1
p-Terphenyl-d14 (Surr)	69		45 - 120	07/19/26 11:06	07/22/26 23:15	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/19/26 11:06	07/27/26 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	49		33 - 139	07/19/26 11:06	07/27/26 22:01	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	74		33 - 126	07/19/26 11:06	07/27/26 22:01	1
2-Fluorophenol (Surr)	47		12 - 120	07/19/26 11:06	07/27/26 22:01	1
Nitrobenzene-d5 (Surr)	76		36 - 120	07/19/26 11:06	07/27/26 22:01	1
Phenol-d6 (Surr)	28		10 - 120	07/19/26 11:06	07/27/26 22:01	1
p-Terphenyl-d14 (Surr)	69		47 - 131	07/19/26 11:06	07/27/26 22:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/24/26 22:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134				07/24/26 22:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		07/20/26 15:32	07/20/26 21:01	1
1,2-Dibromo-3-Chloropropane	<0.0098		0.0098	ug/L		07/20/26 15:32	07/20/26 21:01	1
1,2-Dibromoethane	<0.0098		0.0098	ug/L		07/20/26 15:32	07/20/26 21:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	92		60 - 140			07/20/26 15:32	07/20/26 21:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.49		0.49	ug/L		07/21/26 13:34	07/21/26 18:31	1
Chlordane (n.o.s.)	<0.098		0.098	ug/L		07/21/26 13:34	07/21/26 18:31	1
PCB-1016	<0.068		0.068	ug/L		07/21/26 13:34	07/21/26 18:31	1
PCB-1221	<0.098		0.098	ug/L		07/21/26 13:34	07/21/26 18:31	1
PCB-1232	<0.098		0.098	ug/L		07/21/26 13:34	07/21/26 18:31	1
PCB-1242	<0.098		0.098	ug/L		07/21/26 13:34	07/21/26 18:31	1
PCB-1248	<0.098		0.098	ug/L		07/21/26 13:34	07/21/26 18:31	1
PCB-1254	<0.098		0.098	ug/L		07/21/26 13:34	07/21/26 18:31	1
PCB-1260	<0.068		0.068	ug/L		07/21/26 13:34	07/21/26 18:31	1
Polychlorinated biphenyls, Total	<0.098		0.098	ug/L		07/21/26 13:34	07/21/26 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		70 - 130			07/21/26 13:34	07/21/26 18:31	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		07/19/26 09:08	07/28/26 15:13	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		07/19/26 09:08	07/28/26 15:13	1
C8-C18	<26		26	ug/L		07/19/26 09:08	07/28/26 15:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	115		60 - 130			07/19/26 09:08	07/28/26 15:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10	mg/L			07/22/26 20:04	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	90		52 - 149				07/22/26 20:04	1
Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	120		5.0	ug/L			07/21/26 21:36	1
Chloride	81		1.0	mg/L			07/16/26 17:31	2
Nitrate as N	0.59		0.10	mg/L			07/16/26 17:31	2
Nitrite as N	<0.10		0.10	mg/L			07/16/26 17:31	2
Sulfate	11		0.50	mg/L			07/16/26 17:31	2
Method: EPA 200.7 Rev 4.4 - Metals (ICP)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	18		0.10	mg/L			07/17/26 12:35	1
Magnesium	14	^2 B	0.10	mg/L			07/17/26 12:35	1
Potassium	2.0		0.20	mg/L			07/17/26 12:35	1
Sodium	28		0.10	mg/L			07/17/26 12:35	1
Method: EPA 200.8 - Mercury (ICP/MS)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L			07/17/26 14:42	1
Method: EPA 200.8 - Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	ug/L			07/17/26 14:42	1
Arsenic	<1.0		1.0	ug/L			07/17/26 14:42	1
Beryllium	<0.30		0.30	ug/L			07/17/26 14:42	1
Cadmium	<0.50		0.50	ug/L			07/17/26 14:42	1
Chromium	1.9		0.90	ug/L			07/17/26 14:42	1
Copper	3.0		1.0	ug/L			07/17/26 14:42	1
Lead	<0.50		0.50	ug/L			07/17/26 14:42	1
Nickel	<5.0		5.0	ug/L			07/17/26 14:42	1
Selenium	2.1		2.0	ug/L			07/17/26 14:42	1
Silver	<0.50		0.50	ug/L			07/17/26 14:42	1
Thallium	<0.30		0.30	ug/L			07/17/26 14:42	1
Zinc	<5.0		5.0	ug/L			07/17/26 14:42	1
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	54		2.0	mg/L			07/18/26 03:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	54		2.0	mg/L			07/18/26 03:35	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<2.0		2.0	mg/L			07/18/26 03:35	1
Specific Conductance (SM 2510B)	400	^2	2.0	umhos/cm			07/18/26 03:35	1
Total Dissolved Solids (SM 2540C)	270		20	mg/L			07/17/26 13:03	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			07/20/26 20:07	1
pH (SM 4500 H+ B)	8.0	HF		SU			07/18/26 03:35	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			07/20/26 14:38	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-225354-3

Date Collected: 07/15/26 09:00

Matrix: Water

Date Received: 07/16/26 09:52

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			07/22/26 17:34	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/22/26 17:34	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/26 17:34	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/22/26 17:34	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/22/26 17:34	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 17:34	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/22/26 17:34	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			07/22/26 17:34	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/22/26 17:34	1
1,2-Dichloropropane	<0.25		0.25	ug/L			07/22/26 17:34	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/22/26 17:34	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/22/26 17:34	1
2-Butanone (MEK)	<5.0		5.0	ug/L			07/22/26 17:34	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0	ug/L			07/22/26 17:34	1
Benzene	<0.50		0.50	ug/L			07/22/26 17:34	1
Bromobenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
Bromochloromethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Bromodichloromethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Bromoethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Bromoform	<0.50		0.50	ug/L			07/22/26 17:34	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			07/22/26 17:34	1
Carbon disulfide	<0.50		0.50	ug/L			07/22/26 17:34	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/22/26 17:34	1
Chlorobenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
Chlorodibromomethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Chloroethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			07/22/26 17:34	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			07/22/26 17:34	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 17:34	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 17:34	1
Dibromomethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Dichloromethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Diisopropyl ether	<0.50		0.50	ug/L			07/22/26 17:34	1
Ethylbenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
Hexachlorobutadiene	<0.25		0.25	ug/L			07/22/26 17:34	1
Isopropylbenzene	<0.25		0.25	ug/L			07/22/26 17:34	1
m,p-Xylenes	<0.50		0.50	ug/L			07/22/26 17:34	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			07/22/26 17:34	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			07/22/26 17:34	1
Naphthalene	<0.50		0.50	ug/L			07/22/26 17:34	1
n-Butylbenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
N-Propylbenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
o-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 17:34	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			07/22/26 17:34	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-225354-3

Date Collected: 07/15/26 09:00

Matrix: Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	ug/L			07/22/26 17:34	1
p-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 17:34	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			07/22/26 17:34	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/22/26 17:34	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
Styrene	<0.50		0.50	ug/L			07/22/26 17:34	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			07/22/26 17:34	1
Tert-butyl ethyl ether	<2.0		2.0	ug/L			07/22/26 17:34	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/22/26 17:34	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			07/22/26 17:34	1
Toluene	<0.50		0.50	ug/L			07/22/26 17:34	1
Xylenes, Total	<0.50		0.50	ug/L			07/22/26 17:34	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			07/22/26 17:34	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 17:34	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 17:34	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			07/22/26 17:34	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			07/22/26 17:34	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			07/22/26 17:34	1
Vinyl Chloride (VC)	<0.20		0.20	ug/L			07/22/26 17:34	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/26 17:34	1
Tentatively Identified Compound	None		ug/L			N/A		07/28/26 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130		07/22/26 17:34	1
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		07/28/26 12:31	1
4-Bromofluorobenzene (Surr)	96		70 - 130		07/22/26 17:34	1
4-Bromofluorobenzene (Surr)	81		70 - 130		07/28/26 12:31	1
Toluene-d8 (Surr)	99		70 - 130		07/22/26 17:34	1
Toluene-d8 (Surr)	98		70 - 130		07/28/26 12:31	1
1,2-Dichlorobenzene-d4 (Surr)	95		70 - 130		07/22/26 17:34	1
1,2-Dichlorobenzene-d4 (Surr)	76		70 - 130		07/28/26 12:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/24/26 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		38 - 134		07/24/26 14:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		07/22/26 16:09	07/23/26 04:03	1
1,2-Dibromo-3-Chloropropane	<0.0099		0.0099	ug/L		07/22/26 16:09	07/23/26 04:03	1
1,2-Dibromoethane	<0.0099		0.0099	ug/L		07/22/26 16:09	07/23/26 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	95		60 - 140	07/22/26 16:09	07/23/26 04:03	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-225354-4

Date Collected: 07/15/26 09:30

Matrix: Water

Date Received: 07/16/26 09:52

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			07/22/26 22:55	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/22/26 22:55	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/26 22:55	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/22/26 22:55	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/22/26 22:55	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 22:55	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/22/26 22:55	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			07/22/26 22:55	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/22/26 22:55	1
1,2-Dichloropropane	<0.25		0.25	ug/L			07/22/26 22:55	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/22/26 22:55	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/22/26 22:55	1
2-Butanone (MEK)	<5.0		5.0	ug/L			07/22/26 22:55	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0	ug/L			07/22/26 22:55	1
Benzene	<0.50		0.50	ug/L			07/22/26 22:55	1
Bromobenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
Bromochloromethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Bromodichloromethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Bromoethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Bromoform	<0.50		0.50	ug/L			07/22/26 22:55	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			07/22/26 22:55	1
Carbon disulfide	<0.50		0.50	ug/L			07/22/26 22:55	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/22/26 22:55	1
Chlorobenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
Chlorodibromomethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Chloroethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			07/22/26 22:55	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			07/22/26 22:55	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 22:55	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 22:55	1
Dibromomethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Dichloromethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Diisopropyl ether	<0.50		0.50	ug/L			07/22/26 22:55	1
Ethylbenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
Hexachlorobutadiene	<0.25		0.25	ug/L			07/22/26 22:55	1
Isopropylbenzene	<0.25		0.25	ug/L			07/22/26 22:55	1
m,p-Xylenes	<0.50		0.50	ug/L			07/22/26 22:55	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			07/22/26 22:55	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			07/22/26 22:55	1
Naphthalene	<0.50		0.50	ug/L			07/22/26 22:55	1
n-Butylbenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
N-Propylbenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
o-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 22:55	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			07/22/26 22:55	1

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Client Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-225354-4

Date Collected: 07/15/26 09:30

Matrix: Water

Date Received: 07/16/26 09:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	ug/L			07/22/26 22:55	1
p-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 22:55	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			07/22/26 22:55	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/22/26 22:55	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
Styrene	<0.50		0.50	ug/L			07/22/26 22:55	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			07/22/26 22:55	1
Tert-butyl ethyl ether	<2.0		2.0	ug/L			07/22/26 22:55	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/22/26 22:55	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			07/22/26 22:55	1
Toluene	<0.50		0.50	ug/L			07/22/26 22:55	1
Xylenes, Total	<0.50		0.50	ug/L			07/22/26 22:55	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			07/22/26 22:55	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 22:55	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 22:55	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			07/22/26 22:55	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			07/22/26 22:55	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			07/22/26 22:55	1
Vinyl Chloride (VC)	<0.20		0.20	ug/L			07/22/26 22:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/26 22:55	1
Tentatively Identified Compound	None		ug/L			N/A		07/28/26 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		07/22/26 22:55	1
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		07/28/26 12:55	1
4-Bromofluorobenzene (Surr)	100		70 - 130		07/22/26 22:55	1
4-Bromofluorobenzene (Surr)	94		70 - 130		07/28/26 12:55	1
Toluene-d8 (Surr)	101		70 - 130		07/22/26 22:55	1
Toluene-d8 (Surr)	103		70 - 130		07/28/26 12:55	1
1,2-Dichlorobenzene-d4 (Surr)	94		70 - 130		07/22/26 22:55	1
1,2-Dichlorobenzene-d4 (Surr)	91		70 - 130		07/28/26 12:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/27/26 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		38 - 134		07/27/26 12:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		07/22/26 16:09	07/23/26 03:42	1
1,2-Dibromo-3-Chloropropane	<0.0098		0.0098	ug/L		07/22/26 16:09	07/23/26 03:42	1
1,2-Dibromoethane	<0.0098		0.0098	ug/L		07/22/26 16:09	07/23/26 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	98		60 - 140	07/22/26 16:09	07/23/26 03:42	1

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Action Limit Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	EPAMCL S Limit	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50		ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		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)	<0.20		ug/L	2.000	2		524.2	Total/NA
Alachlor	<0.049		ug/L		2		525.2	Total/NA
Atrazine	<0.049		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L		400		525.2	Total/NA
Endrin	<0.0098		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0098		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0098	^3+	ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L		50		525.2	Total/NA
Methoxychlor	<0.049		ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<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	<0.0099		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.0099		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.50		ug/L		3		505	Total/NA

Eurofins Pomona

Action Limit Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (Continued)

Lab Sample ID: 380-225354-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	EPAMCL S Limit	Method	Prep Type
Chlordane (n.o.s.)	<0.10		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA
Chloride	86		mg/L			250	300.0	Total/NA
Nitrate as N	0.60		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	1.9		ug/L		100		200.8	Total/NA
Copper	7.5		ug/L		1300	1000	200.8	Total/NA
Lead	1.4		ug/L		15.000		200.8	Total/NA
Selenium	<2.0		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	24		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	310		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	8.0	HF	SU			6.5-8.5	SM 4500 H+ B	Total/NA

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-225354-2

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	EPAMCL S Limit	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50		ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA

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Action Limit Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072) (Continued)**

Lab Sample ID: 380-225354-2

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	EPAMCL	EPAMCL S	Method	Prep Type
				Limit	Limit	Limit		
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		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)	<0.20		ug/L	2.000	2		524.2	Total/NA
Alachlor	<0.049		ug/L		2		525.2	Total/NA
Atrazine	<0.049		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L		400		525.2	Total/NA
Endrin	<0.0098		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0098		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0098	^3+	ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L		50		525.2	Total/NA
Methoxychlor	<0.049		ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<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	<0.0098		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.0098		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.49		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	<0.098		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.098		ug/L		0.5		505	Total/NA
Chloride	81		mg/L			250	300.0	Total/NA
Nitrate as N	0.59		mg/L		10		300.0	Total/NA
Nitrite as N	<0.10		mg/L		1		300.0	Total/NA
Sulfate	11		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	1.9		ug/L		100		200.8	Total/NA
Copper	3.0		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		15.000		200.8	Total/NA
Selenium	2.1		ug/L		50		200.8	Total/NA
Silver	<0.50		ug/L			100	200.8	Total/NA

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Action Limit Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072) (Continued)**

Lab Sample ID: 380-225354-2

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	EPAMCL S Limit	Method	Prep Type
Thallium	<0.30		ug/L		2		200.8	Total/NA
Zinc	<5.0		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	270		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	8.0	HF	SU			6.5-8.5	SM 4500 H+ B	Total/NA

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-225354-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5	0.25	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Bromoform	<0.50		ug/L		80	0.50	524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700	0.50	524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75	0.50	524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000	0.50	524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Vinyl Chloride (VC)	<0.20		ug/L	2.000	2	0.20	524.2	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000		0.020	504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.0099		ug/L		0.2	0.0099	504.1	Total/NA
1,2-Dibromoethane	<0.0099		ug/L		0.05	0.0099	504.1	Total/NA

Action Limit Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-225354-4

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.25		ug/L	5.000	5	0.25	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Bromoform	<0.50		ug/L		80	0.50	524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700	0.50	524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75	0.50	524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000	0.50	524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Vinyl Chloride (VC)	<0.20		ug/L	2.000	2	0.20	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	<0.0098		ug/L		0.2	0.0098	504.1	Total/NA
1,2-Dibromoethane	<0.0098		ug/L		0.05	0.0098	504.1	Total/NA

Surrogate Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-130)	BFB (70-130)	TOL (70-130)	DCZ (70-130)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	113	88	99	95
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	105	71	97	69 S1-
380-225354-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	104	98	98	101
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	101	92	99	95
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	102	75	98	76
380-225354-2 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	107	78	97	77

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-130)	BFB (70-130)	TOL (70-130)	DCZ (70-130)
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	108	96	99	95
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	99	81	98	76
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	102	100	101	94
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	100	94	103	91
380-225607-C-1 DU	Duplicate	98	94	98	88
810-200625-C-5 MS	Matrix Spike	101	87	98	86
810-200676-B-3 DU	Duplicate	105	88	97	92
MB 810-202770/6	Method Blank	105	86	97	87
MB 810-202803/5	Method Blank	99	93	101	94
MB 810-203650/4	Method Blank	103	88	107	89

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	98	92	104
380-225354-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	98	97	110

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Surrogate Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-225354-2	AIEA GULCH WELLS PUMP 2 (	97	92	107
Surrogate Legend				
2NMX = 2-Nitro-m-xylene				
PRY = Perylene-d12				
TPP = Triphenylphosphate				

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)
380 225356 T 1 A DU	Duplicate	98	96	107
LCS 380-241174/23-A	Lab Control Sample	98	99	108
MB 380-241174/21-A	Method Blank	97	91	104
MRL 380-241174/22-A	Lab Control Sample	99	95	106
Surrogate Legend				
2NMX = 2-Nitro-m-xylene				
PRY = Perylene-d12				
TPP = Triphenylphosphate				

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	41	76	50	73	27	71
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	49	74	47	76	28	69
Surrogate Legend							
TBP = 2,4,6-Tribromophenol (Surr)							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							
NBZ = Nitrobenzene-d5 (Surr)							
PHL6 = Phenol-d6 (Surr)							
TPHd14 = p-Terphenyl-d14 (Surr)							

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
MB 570-771023/1-A	Method Blank	57	78	53	83	31	72
MB 570-771081/1-A	Method Blank	57	78	52	81	31	71
Surrogate Legend							
TBP = 2,4,6-Tribromophenol (Surr)							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							

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Surrogate Summary

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

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Matrix: Drinking 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)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	79	72	50	75	30	72
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	77	69	44	69	28	69

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-225006-A-1-A MS	Matrix Spike	89	80	69	70	41	87
380-225006-A-1-B MSD	Matrix Spike Duplicate	81	76	57	67	38	80
570-287619-C-2-A MS	Matrix Spike	90	67	44	68	2 S1-	69
570-287619-C-2-B MSD	Matrix Spike Duplicate	10 S1-	8 S1-	5 S1-	8 S1-	0.6 S1-	8 S1-
LCS 570-771023/2-A	Lab Control Sample	89	81	62	73	41	88
LCS 570-771081/2-A	Lab Control Sample	93	71	55	74	38	82
LCSD 570-771023/3-A	Lab Control Sample Dup	90	82	64	70	42	93
LCSD 570-771081/3-A	Lab Control Sample Dup	91	73	59	66	40	81
MB 570-771023/1-A	Method Blank	90	77	56	81	34	77
MB 570-771081/1-A	Method Blank	88	76	50	75	32	74

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		BFB1 (38-134)					
380-225354-1	AIEA GULCH WELLS PUMP 1 (	102					
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	98					

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Eurofins Pomona

Surrogate Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-225006-C-1 MS	Matrix Spike	100
380-225006-C-1 MSD	Matrix Spike Duplicate	102
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	102
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	102
380-226428-C-1 MS	Matrix Spike	104
380-226428-D-1 MSD	Matrix Spike Duplicate	106
LCS 570-773807/3	Lab Control Sample	101
LCS 570-774669/3	Lab Control Sample	69
LCSD 570-773807/4	Lab Control Sample Dup	99
LCSD 570-774669/4	Lab Control Sample Dup	94
MB 570-773807/6	Method Blank	99
MB 570-774669/6	Method Blank	99
MRL 570-773807/5	Lab Control Sample	83
MRL 570-774669/5	Lab Control Sample	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBPP1 (60-140)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	95
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	92

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBPP1 (60-140)
380-225354-3	TB:AIEA GULCH WELLS P1 (33	95
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	98
380-225633-H-1-A DU	Duplicate	89
380-225725-J-1-A MS	Matrix Spike	92
380-226130-C-1-A MS	Matrix Spike	105
380-226396-J-1-A DU	Duplicate	109
LCS 380-240970/30-A	Lab Control Sample	86
LCS 380-241625/34-A	Lab Control Sample	101
MBL 380-240970/4-A	Method Blank	96
MBL 380-241625/4-A	Method Blank	112
MRL 380-240970/2-A	Lab Control Sample	90
MRL 380-240970/3-A	Lab Control Sample	93
MRL 380-241625/2-A	Lab Control Sample	107

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Surrogate Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBPP1 (60-140)
MRL 380-241625/3-A	Lab Control Sample	107

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	112
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	115

Surrogate Legend

TCX = Tetrachloro-m-xylene

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-225528-B-1-A MS	Matrix Spike	115
380-225528-C-1-A MS	Matrix Spike	120
380-225859-BG-1-A MS	Matrix Spike	100
380-225859-BI-1-A MS	Matrix Spike	110
LCS 380-241221/28-A	Lab Control Sample	116
LCS 380-241221/30-A	Lab Control Sample	118
LCS 380-241221/31-A	Lab Control Sample	110
LCSD 380-241221/29-A	Lab Control Sample Dup	109
MB 380-241221/3-A	Method Blank	108
MRL 380-241221/1-A	Lab Control Sample	119
MRL 380-241221/2-A	Lab Control Sample	114

Surrogate Legend

TCX = Tetrachloro-m-xylene

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	116
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	115

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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)
LCS 570-771057/2-A	Lab Control Sample	108
LCSD 570-771057/3-A	Lab Control Sample Dup	110
MB 570-771057/1-A	Method Blank	110
MRL 570-771057/4-A	Lab Control Sample	112

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (52-149)
380-225354-1	AIEA GULCH WELLS PUMP 1 (	91
380-225354-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	77
380-225354-1 MSD	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	83
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	90

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (52-149)
LCS 570-772824/5	Lab Control Sample	101
LCSD 570-772824/6	Lab Control Sample Dup	101
MB 570-772824/3	Method Blank	100
MRL 570-772824/4	Lab Control Sample	5

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 810-202770/6

Matrix: Water

Analysis Batch: 202770

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			07/22/26 09:36	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/22/26 09:36	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/26 09:36	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/22/26 09:36	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/22/26 09:36	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 09:36	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/22/26 09:36	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			07/22/26 09:36	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/22/26 09:36	1
1,2-Dichloropropane	<0.25		0.25	ug/L			07/22/26 09:36	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/22/26 09:36	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/22/26 09:36	1
2-Butanone (MEK)	<5.0		5.0	ug/L			07/22/26 09:36	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0	ug/L			07/22/26 09:36	1
Benzene	<0.50		0.50	ug/L			07/22/26 09:36	1
Bromobenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
Bromochloromethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Bromodichloromethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Bromoethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Bromoform	<0.50		0.50	ug/L			07/22/26 09:36	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			07/22/26 09:36	1
Carbon disulfide	<0.50		0.50	ug/L			07/22/26 09:36	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/22/26 09:36	1
Chlorobenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
Chlorodibromomethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Chloroethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			07/22/26 09:36	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			07/22/26 09:36	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 09:36	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 09:36	1
Dibromomethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Dichloromethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Diisopropyl ether	<0.50		0.50	ug/L			07/22/26 09:36	1
Ethylbenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
Hexachlorobutadiene	<0.25		0.25	ug/L			07/22/26 09:36	1
Isopropylbenzene	<0.25		0.25	ug/L			07/22/26 09:36	1
m,p-Xylenes	<0.50		0.50	ug/L			07/22/26 09:36	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			07/22/26 09:36	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			07/22/26 09:36	1
Naphthalene	<0.50		0.50	ug/L			07/22/26 09:36	1
n-Butylbenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
N-Propylbenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
o-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 09:36	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 810-202770/6

Matrix: Water

Analysis Batch: 202770

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			07/22/26 09:36	1
o-Xylene	<0.50		0.50	ug/L			07/22/26 09:36	1
p-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 09:36	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			07/22/26 09:36	1
p-Isopropyltoluene	<0.50		0.50	ug/L			07/22/26 09:36	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
Styrene	<0.50		0.50	ug/L			07/22/26 09:36	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			07/22/26 09:36	1
Tert-butyl ethyl ether	<2.0		2.0	ug/L			07/22/26 09:36	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/22/26 09:36	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			07/22/26 09:36	1
Toluene	<0.50		0.50	ug/L			07/22/26 09:36	1
Xylenes, Total	<0.50		0.50	ug/L			07/22/26 09:36	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			07/22/26 09:36	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 09:36	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 09:36	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			07/22/26 09:36	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			07/22/26 09:36	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			07/22/26 09:36	1
Vinyl Chloride (VC)	<0.20		0.20	ug/L			07/22/26 09:36	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		07/22/26 09:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		70 - 130		07/22/26 09:36	1
4-Bromofluorobenzene (Surr)	86		70 - 130		07/22/26 09:36	1
Toluene-d8 (Surr)	97		70 - 130		07/22/26 09:36	1
1,2-Dichlorobenzene-d4 (Surr)	87		70 - 130		07/22/26 09:36	1

Lab Sample ID: 380-225354-1 MS

Matrix: Drinking Water

Analysis Batch: 202770

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.50		10.0	7.68		ug/L		77	70 - 130
1,1,1-Trichloroethane	<0.50		10.0	7.96		ug/L		80	70 - 130
1,1,2,2-Tetrachloroethane	<0.50		10.0	8.36		ug/L		84	70 - 130
1,1,2-Trichloroethane	<0.50		10.0	8.27		ug/L		83	70 - 130
1,1-Dichloroethane	<0.50		10.0	8.41		ug/L		84	70 - 130
1,1-Dichloroethylene	<0.50		10.0	8.20		ug/L		82	70 - 130
1,1-Dichloropropene	<0.50		10.0	8.25		ug/L		83	70 - 130
1,2,3-Trichlorobenzene	<0.50		10.0	8.10		ug/L		81	70 - 130
1,2,3-Trichloropropane	<0.50		10.0	8.98		ug/L		90	70 - 130
1,2,4-Trichlorobenzene	<0.50		10.0	7.93		ug/L		79	70 - 130
1,2,4-Trimethylbenzene	<0.50		10.0	7.86		ug/L		79	70 - 130
1,2-Dichloroethane	<0.50		10.0	8.21		ug/L		82	70 - 130
1,2-Dichloropropane	<0.25		10.0	8.10		ug/L		81	70 - 130

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225354-1 MS

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 202770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	<0.50		10.0	7.93		ug/L		79	70 - 130
1,3-Dichloropropane	<0.50		10.0	8.38		ug/L		84	70 - 130
2,2-Dichloropropane	<0.50		10.0	8.27		ug/L		83	70 - 130
2-Butanone (MEK)	<5.0		10.0	9.02		ug/L		90	70 - 130
4-Methyl-2-pentanone (MIBK)	<2.0		10.0	9.12		ug/L		91	70 - 130
Benzene	<0.50		10.0	7.95		ug/L		79	70 - 130
Bromobenzene	<0.50		10.0	7.92		ug/L		79	70 - 130
Bromochloromethane	<0.50		10.0	7.94		ug/L		79	70 - 130
Bromodichloromethane	<0.50		10.0	7.82		ug/L		78	70 - 130
Bromoethane	<0.50		10.0	8.12		ug/L		81	70 - 130
Bromoform	<0.50		10.0	7.67		ug/L		77	70 - 130
Bromomethane (Methyl Bromide)	<0.50		10.0	8.21		ug/L		82	70 - 130
Carbon disulfide	<0.50		10.0	8.05		ug/L		81	70 - 130
Carbon tetrachloride	<0.50		10.0	8.13		ug/L		81	70 - 130
Chlorobenzene	<0.50		10.0	7.83		ug/L		78	70 - 130
Chlorodibromomethane	<0.50		10.0	7.81		ug/L		78	70 - 130
cis-1,3-Dichloropropene	<0.50		10.0	7.77		ug/L		78	70 - 130
Dichloromethane	<0.50		10.0	8.38		ug/L		84	70 - 130
Diisopropyl ether	<0.50		10.0	8.47		ug/L		85	70 - 130
Ethylbenzene	<0.50		10.0	7.83		ug/L		78	70 - 130
Hexachlorobutadiene	<0.25		10.0	8.16		ug/L		82	70 - 130
Isopropylbenzene	<0.25		10.0	7.65		ug/L		77	70 - 130
m,p-Xylenes	<0.50		20.0	15.5		ug/L		77	70 - 130
m-Dichlorobenzene (1,3-DCB)	<0.50		10.0	7.91		ug/L		79	70 - 130
Methyl-tert-butyl Ether (MTBE)	<0.50		10.0	8.82		ug/L		88	70 - 130
Naphthalene	<0.50		10.0	8.89		ug/L		89	70 - 130
n-Butylbenzene	<0.50		10.0	8.53		ug/L		85	70 - 130
N-Propylbenzene	<0.50		10.0	7.69		ug/L		77	70 - 130
o-Chlorotoluene	<0.50		10.0	7.87		ug/L		79	70 - 130
o-Dichlorobenzene (1,2-DCB)	<0.50		10.0	8.32		ug/L		83	70 - 130
o-Xylene	<0.50		10.0	7.77		ug/L		78	70 - 130
p-Chlorotoluene	<0.50		10.0	7.85		ug/L		78	70 - 130
p-Dichlorobenzene (1,4-DCB)	<0.50		10.0	7.89		ug/L		79	70 - 130
p-Isopropyltoluene	<0.50		10.0	8.16		ug/L		82	70 - 130
sec-Butylbenzene	<0.50		10.0	8.09		ug/L		81	70 - 130
Styrene	<0.50		10.0	7.69		ug/L		77	70 - 130
Tert-amyl methyl ether	<3.0		10.0	8.16		ug/L		82	70 - 130
Tert-butyl ethyl ether	<2.0		10.0	8.58		ug/L		86	70 - 133
tert-Butylbenzene	<0.50		10.0	7.56		ug/L		76	70 - 130
Tetrachloroethene (PCE)	<0.50		10.0	7.65		ug/L		76	70 - 130
Toluene	<0.50		10.0	7.78		ug/L		78	70 - 130
Xylenes, Total	<0.50		30.0	23.3		ug/L		78	70 - 130
1,3-Dichloropropene, Total	<0.50		20.0	15.3		ug/L		76	70 - 130
trans-1,2-Dichloroethylene	<0.50		10.0	8.06		ug/L		81	70 - 130
trans-1,3-Dichloropropene	<0.50		10.0	7.52		ug/L		75	70 - 130
Trichloroethylene (TCE)	<0.50		10.0	7.88		ug/L		79	70 - 130
Trichlorofluoromethane (Freon 11)	<0.50		10.0	9.01		ug/L		90	70 - 130
Trichlorotrifluoroethane	<0.50		10.0	8.78		ug/L		88	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225354-1 MS

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 202770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl Chloride (VC)	<0.20		10.0	8.60		ug/L		86	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	104		70 - 130						
4-Bromofluorobenzene (Surr)	98		70 - 130						
Toluene-d8 (Surr)	98		70 - 130						
1,2-Dichlorobenzene-d4 (Surr)	101		70 - 130						

Lab Sample ID: 810-200676-B-3 DU

Client Sample ID: Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 202770

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.50		<0.50		ug/L		NC	20
1,1,1-Trichloroethane	<0.50		<0.50		ug/L		NC	20
1,1,2,2-Tetrachloroethane	<0.50		<0.50		ug/L		NC	20
1,1,2-Trichloroethane	<0.50		<0.50		ug/L		NC	20
1,1-Dichloroethane	<0.50		<0.50		ug/L		NC	20
1,1-Dichloroethylene	<0.50		<0.50		ug/L		NC	20
1,1-Dichloropropene	<0.50		<0.50		ug/L		NC	20
1,2,3-Trichlorobenzene	<0.50		<0.50		ug/L		NC	20
1,2,3-Trichloropropane	<0.50		<0.50		ug/L		NC	20
1,2,4-Trichlorobenzene	<0.50		<0.50		ug/L		NC	20
1,2,4-Trimethylbenzene	<0.50		<0.50		ug/L		NC	20
1,2-Dichloroethane	<0.50		<0.50		ug/L		NC	20
1,2-Dichloropropane	<0.25		<0.25		ug/L		NC	20
1,3,5-Trimethylbenzene	<0.50		<0.50		ug/L		NC	20
1,3-Dichloropropane	<0.50		<0.50		ug/L		NC	20
2,2-Dichloropropane	<0.50		<0.50		ug/L		NC	20
2-Butanone (MEK)	<5.0		<5.0		ug/L		NC	20
4-Methyl-2-pentanone (MIBK)	<2.0		<2.0		ug/L		NC	20
Benzene	<0.50		<0.50		ug/L		NC	20
Bromobenzene	<0.50		<0.50		ug/L		NC	20
Bromochloromethane	<0.50		<0.50		ug/L		NC	20
Bromodichloromethane	<0.50		<0.50		ug/L		NC	20
Bromoethane	<0.50		<0.50		ug/L		NC	20
Bromoform	<0.50		<0.50		ug/L		NC	20
Bromomethane (Methyl Bromide)	<0.50		<0.50		ug/L		NC	20
Carbon disulfide	<0.50		<0.50		ug/L		NC	20
Carbon tetrachloride	<0.50		<0.50		ug/L		NC	20
Chlorobenzene	<0.50		<0.50		ug/L		NC	20
Chlorodibromomethane	<0.50		<0.50		ug/L		NC	20
Chloroethane	<0.50		<0.50		ug/L		NC	20
Chloroform (Trichloromethane)	<0.50		<0.50		ug/L		NC	20
Chloromethane (methyl chloride)	<0.50		<0.50		ug/L		NC	20
cis-1,2-Dichloroethylene	<0.50		<0.50		ug/L		NC	20
cis-1,3-Dichloropropene	<0.50		<0.50		ug/L		NC	20
Dibromomethane	<0.50		<0.50		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 810-200676-B-3 DU

Matrix: Water

Analysis Batch: 202770

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Dichlorodifluoromethane	<0.50		<0.50		ug/L		NC	20
Dichloromethane	<0.50		<0.50		ug/L		NC	20
Diisopropyl ether	<0.50		<0.50		ug/L		NC	20
Ethylbenzene	<0.50		<0.50		ug/L		NC	20
Hexachlorobutadiene	<0.25		<0.25		ug/L		NC	20
Isopropylbenzene	<0.25		<0.25		ug/L		NC	20
m,p-Xylenes	<0.50		<0.50		ug/L		NC	20
m-Dichlorobenzene (1,3-DCB)	<0.50		<0.50		ug/L		NC	20
Methyl-tert-butyl Ether (MTBE)	<0.50		<0.50		ug/L		NC	20
Naphthalene	<0.50		<0.50		ug/L		NC	20
n-Butylbenzene	<0.50		<0.50		ug/L		NC	20
N-Propylbenzene	<0.50		<0.50		ug/L		NC	20
o-Chlorotoluene	<0.50		<0.50		ug/L		NC	20
o-Dichlorobenzene (1,2-DCB)	<0.50		<0.50		ug/L		NC	20
o-Xylene	<0.50		<0.50		ug/L		NC	20
p-Chlorotoluene	<0.50		<0.50		ug/L		NC	20
p-Dichlorobenzene (1,4-DCB)	<0.50		<0.50		ug/L		NC	20
p-Isopropyltoluene	<0.50		<0.50		ug/L		NC	20
sec-Butylbenzene	<0.50		<0.50		ug/L		NC	20
Styrene	<0.50		<0.50		ug/L		NC	20
Tert-amyl methyl ether	<3.0		<3.0		ug/L		NC	20
Tert-butyl ethyl ether	<2.0		<2.0		ug/L		NC	20
tert-Butylbenzene	<0.50		<0.50		ug/L		NC	20
Tetrachloroethene (PCE)	<0.50		<0.50		ug/L		NC	20
Toluene	<0.50		<0.50		ug/L		NC	20
Xylenes, Total	<0.50		<0.50		ug/L		NC	20
1,3-Dichloropropene, Total	<0.50		<0.50		ug/L		NC	20
trans-1,2-Dichloroethylene	<0.50		<0.50		ug/L		NC	20
trans-1,3-Dichloropropene	<0.50		<0.50		ug/L		NC	20
Trichloroethylene (TCE)	<0.50		<0.50		ug/L		NC	20
Trichlorofluoromethane (Freon 11)	<0.50		<0.50		ug/L		NC	20
Trichlorotrifluoroethane	<0.50		<0.50		ug/L		NC	20
Vinyl Chloride (VC)	<0.20		<0.20		ug/L		NC	20

Surrogate	DU %Recovery	DU Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	88		70 - 130
Toluene-d8 (Surr)	97		70 - 130
1,2-Dichlorobenzene-d4 (Surr)	92		70 - 130

Lab Sample ID: MB 810-202803/5

Matrix: Water

Analysis Batch: 202803

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			07/22/26 20:02	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			07/22/26 20:02	1
1,1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			07/22/26 20:02	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 810-202803/5

Matrix: Water

Analysis Batch: 202803

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.50		0.50	ug/L			07/22/26 20:02	1
1,1-Dichloroethane	<0.50		0.50	ug/L			07/22/26 20:02	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 20:02	1
1,1-Dichloropropene	<0.50		0.50	ug/L			07/22/26 20:02	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			07/22/26 20:02	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
1,2-Dichloroethane	<0.50		0.50	ug/L			07/22/26 20:02	1
1,2-Dichloropropane	<0.25		0.25	ug/L			07/22/26 20:02	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
1,3-Dichloropropane	<0.50		0.50	ug/L			07/22/26 20:02	1
2,2-Dichloropropane	<0.50		0.50	ug/L			07/22/26 20:02	1
2-Butanone (MEK)	<5.0		5.0	ug/L			07/22/26 20:02	1
4-Methyl-2-pentanone (MIBK)	<2.0		2.0	ug/L			07/22/26 20:02	1
Benzene	<0.50		0.50	ug/L			07/22/26 20:02	1
Bromobenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
Bromochloromethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Bromodichloromethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Bromoethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Bromoform	<0.50		0.50	ug/L			07/22/26 20:02	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			07/22/26 20:02	1
Carbon disulfide	<0.50		0.50	ug/L			07/22/26 20:02	1
Carbon tetrachloride	<0.50		0.50	ug/L			07/22/26 20:02	1
Chlorobenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
Chlorodibromomethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Chloroethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			07/22/26 20:02	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			07/22/26 20:02	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 20:02	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 20:02	1
Dibromomethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Dichloromethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Diisopropyl ether	<0.50		0.50	ug/L			07/22/26 20:02	1
Ethylbenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
Hexachlorobutadiene	<0.25		0.25	ug/L			07/22/26 20:02	1
Isopropylbenzene	<0.25		0.25	ug/L			07/22/26 20:02	1
m,p-Xylenes	<0.50		0.50	ug/L			07/22/26 20:02	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			07/22/26 20:02	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			07/22/26 20:02	1
Naphthalene	<0.50		0.50	ug/L			07/22/26 20:02	1
n-Butylbenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
N-Propylbenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
o-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 20:02	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			07/22/26 20:02	1
o-Xylene	<0.50		0.50	ug/L			07/22/26 20:02	1
p-Chlorotoluene	<0.50		0.50	ug/L			07/22/26 20:02	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			07/22/26 20:02	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 810-202803/5

Matrix: Water

Analysis Batch: 202803

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.50		0.50	ug/L			07/22/26 20:02	1
sec-Butylbenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
Styrene	<0.50		0.50	ug/L			07/22/26 20:02	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			07/22/26 20:02	1
Tert-butyl ethyl ether	<2.0		2.0	ug/L			07/22/26 20:02	1
tert-Butylbenzene	<0.50		0.50	ug/L			07/22/26 20:02	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			07/22/26 20:02	1
Toluene	<0.50		0.50	ug/L			07/22/26 20:02	1
Xylenes, Total	<0.50		0.50	ug/L			07/22/26 20:02	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			07/22/26 20:02	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			07/22/26 20:02	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			07/22/26 20:02	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			07/22/26 20:02	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			07/22/26 20:02	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			07/22/26 20:02	1
Vinyl Chloride (VC)	<0.20		0.20	ug/L			07/22/26 20:02	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		07/22/26 20:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		07/22/26 20:02	1
4-Bromofluorobenzene (Surr)	93		70 - 130		07/22/26 20:02	1
Toluene-d8 (Surr)	101		70 - 130		07/22/26 20:02	1
1,2-Dichlorobenzene-d4 (Surr)	94		70 - 130		07/22/26 20:02	1

Lab Sample ID: 810-200625-C-5 MS

Matrix: Water

Analysis Batch: 202803

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
1,1,1,2-Tetrachloroethane	<0.50		10.0	8.51		ug/L		85	70 - 130
1,1,1-Trichloroethane	<0.50		10.0	9.01		ug/L		90	70 - 130
1,1,1,2,2-Tetrachloroethane	<0.50		10.0	8.52		ug/L		85	70 - 130
1,1,2-Trichloroethane	<0.50		10.0	8.61		ug/L		86	70 - 130
1,1-Dichloroethane	<0.50		10.0	9.43		ug/L		94	70 - 130
1,1-Dichloroethylene	<0.50		10.0	9.26		ug/L		93	70 - 130
1,1-Dichloropropene	<0.50		10.0	8.76		ug/L		88	70 - 130
1,2,3-Trichlorobenzene	<0.50	F1	10.0	6.94	F1	ug/L		69	70 - 130
1,2,3-Trichloropropane	<0.50		10.0	8.24		ug/L		82	70 - 130
1,2,4-Trichlorobenzene	<0.50	F1	10.0	6.79	F1	ug/L		68	70 - 130
1,2,4-Trimethylbenzene	<0.50		10.0	7.17		ug/L		72	70 - 130
1,2-Dichloroethane	<0.50		10.0	8.95		ug/L		89	70 - 130
1,2-Dichloropropane	<0.25		10.0	8.70		ug/L		87	70 - 130
1,3,5-Trimethylbenzene	<0.50		10.0	7.23		ug/L		72	70 - 130
1,3-Dichloropropane	<0.50		10.0	8.59		ug/L		86	70 - 130
2,2-Dichloropropane	<0.50		10.0	8.83		ug/L		88	70 - 130
2-Butanone (MEK)	<5.0		10.0	8.33		ug/L		83	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 810-200625-C-5 MS

Matrix: Water

Analysis Batch: 202803

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
4-Methyl-2-pentanone (MIBK)	<2.0		10.0	8.30		ug/L		83	70 - 130
Benzene	<0.50		10.0	8.44		ug/L		84	70 - 130
Bromobenzene	<0.50		10.0	7.39		ug/L		74	70 - 130
Bromochloromethane	<0.50		10.0	8.65		ug/L		86	70 - 130
Bromodichloromethane	11		10.0	19.6		ug/L		84	70 - 130
Bromoethane	<0.50		10.0	9.43		ug/L		94	70 - 130
Bromoform	<0.50		10.0	8.08		ug/L		81	70 - 130
Bromomethane (Methyl Bromide)	<0.50		10.0	9.00		ug/L		90	70 - 130
Carbon disulfide	<0.50		10.0	9.22		ug/L		92	70 - 130
Carbon tetrachloride	<0.50		10.0	8.90		ug/L		89	70 - 130
Chlorobenzene	<0.50		10.0	8.13		ug/L		81	70 - 130
Chlorodibromomethane	2.6		10.0	10.6		ug/L		80	70 - 130
cis-1,3-Dichloropropene	<0.50		10.0	8.19		ug/L		82	70 - 130
Dichloromethane	<0.50		10.0	9.17		ug/L		92	70 - 130
Diisopropyl ether	<0.50		10.0	9.48		ug/L		95	70 - 130
Ethylbenzene	<0.50		10.0	7.54		ug/L		75	70 - 130
Hexachlorobutadiene	<0.25		10.0	7.38		ug/L		74	70 - 130
Isopropylbenzene	<0.25		10.0	7.60		ug/L		76	70 - 130
m,p-Xylenes	<0.50		20.0	15.2		ug/L		76	70 - 130
m-Dichlorobenzene (1,3-DCB)	<0.50		10.0	7.31		ug/L		73	70 - 130
Methyl-tert-butyl Ether (MTBE)	<0.50		10.0	8.66		ug/L		87	70 - 130
Naphthalene	<0.50	F1	10.0	6.74	F1	ug/L		67	70 - 130
n-Butylbenzene	<0.50		10.0	6.98		ug/L		70	70 - 130
N-Propylbenzene	<0.50		10.0	7.30		ug/L		73	70 - 130
o-Chlorotoluene	<0.50		10.0	7.50		ug/L		75	70 - 130
o-Dichlorobenzene (1,2-DCB)	<0.50		10.0	7.11		ug/L		71	70 - 130
o-Xylene	<0.50		10.0	7.40		ug/L		74	70 - 130
p-Chlorotoluene	<0.50		10.0	7.40		ug/L		74	70 - 130
p-Dichlorobenzene (1,4-DCB)	<0.50		10.0	7.31		ug/L		73	70 - 130
p-Isopropyltoluene	<0.50	F1	10.0	6.82	F1	ug/L		68	70 - 130
sec-Butylbenzene	<0.50		10.0	7.32		ug/L		73	70 - 130
Styrene	<0.50		10.0	7.31		ug/L		73	70 - 130
Tert-amyl methyl ether	<3.0		10.0	7.95		ug/L		79	70 - 130
Tert-butyl ethyl ether	<2.0		10.0	9.22		ug/L		92	70 - 133
tert-Butylbenzene	<0.50		10.0	7.33		ug/L		73	70 - 130
Tetrachloroethene (PCE)	<0.50		10.0	8.47		ug/L		85	70 - 130
Toluene	<0.50		10.0	8.24		ug/L		82	70 - 130
Xylenes, Total	<0.50		30.0	22.6		ug/L		75	70 - 130
1,3-Dichloropropene, Total	<0.50		20.0	16.4		ug/L		82	70 - 130
trans-1,2-Dichloroethylene	<0.50		10.0	8.91		ug/L		89	70 - 130
trans-1,3-Dichloropropene	<0.50		10.0	8.23		ug/L		82	70 - 130
Trichloroethylene (TCE)	<0.50		10.0	8.28		ug/L		83	70 - 130
Trichlorofluoromethane (Freon 11)	<0.50		10.0	9.79		ug/L		98	70 - 130
Trichlorotrifluoroethane	<0.50		10.0	9.41		ug/L		94	70 - 130
Vinyl Chloride (VC)	<0.20		10.0	9.66		ug/L		97	70 - 130

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 810-200625-C-5 MS

Matrix: Water

Analysis Batch: 202803

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	87		70 - 130
Toluene-d8 (Surr)	98		70 - 130
1,2-Dichlorobenzene-d4 (Surr)	86		70 - 130

Lab Sample ID: 380-225607-C-1 DU

Matrix: Water

Analysis Batch: 202803

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.50		<0.50		ug/L		NC	20
1,1,1-Trichloroethane	<0.50		<0.50		ug/L		NC	20
1,1,2,2-Tetrachloroethane	<0.50		<0.50		ug/L		NC	20
1,1,2-Trichloroethane	<0.50		<0.50		ug/L		NC	20
1,1-Dichloroethane	<0.50		<0.50		ug/L		NC	20
1,1-Dichloroethylene	<0.50		<0.50		ug/L		NC	20
1,1-Dichloropropene	<0.50		<0.50		ug/L		NC	20
1,2,3-Trichlorobenzene	<0.50		<0.50		ug/L		NC	20
1,2,3-Trichloropropane	<0.50		<0.50		ug/L		NC	20
1,2,4-Trichlorobenzene	<0.50		<0.50		ug/L		NC	20
1,2,4-Trimethylbenzene	<0.50		<0.50		ug/L		NC	20
1,2-Dichloroethane	<0.50		<0.50		ug/L		NC	20
1,2-Dichloropropane	<0.25		<0.25		ug/L		NC	20
1,3,5-Trimethylbenzene	<0.50		<0.50		ug/L		NC	20
1,3-Dichloropropane	<0.50		<0.50		ug/L		NC	20
2,2-Dichloropropane	<0.50		<0.50		ug/L		NC	20
2-Butanone (MEK)	<5.0		<5.0		ug/L		NC	20
4-Methyl-2-pentanone (MIBK)	<2.0		<2.0		ug/L		NC	20
Benzene	<0.50		<0.50		ug/L		NC	20
Bromobenzene	<0.50		<0.50		ug/L		NC	20
Bromochloromethane	<0.50		<0.50		ug/L		NC	20
Bromodichloromethane	<0.50		<0.50		ug/L		NC	20
Bromoethane	<0.50		<0.50		ug/L		NC	20
Bromoform	<0.50		<0.50		ug/L		NC	20
Bromomethane (Methyl Bromide)	<0.50		<0.50		ug/L		NC	20
Carbon disulfide	<0.50		<0.50		ug/L		NC	20
Carbon tetrachloride	<0.50		<0.50		ug/L		NC	20
Chlorobenzene	<0.50		<0.50		ug/L		NC	20
Chlorodibromomethane	<0.50		<0.50		ug/L		NC	20
Chloroethane	<0.50		<0.50		ug/L		NC	20
Chloroform (Trichloromethane)	<0.50		<0.50		ug/L		NC	20
Chloromethane (methyl chloride)	<0.50		<0.50		ug/L		NC	20
cis-1,2-Dichloroethylene	<0.50		<0.50		ug/L		NC	20
cis-1,3-Dichloropropene	<0.50		<0.50		ug/L		NC	20
Dibromomethane	<0.50		<0.50		ug/L		NC	20
Dichlorodifluoromethane	<0.50		<0.50		ug/L		NC	20
Dichloromethane	<0.50		<0.50		ug/L		NC	20
Diisopropyl ether	<0.50		<0.50		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225607-C-1 DU
Matrix: Water
Analysis Batch: 202803

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ethylbenzene	<0.50		<0.50		ug/L		NC	20
Hexachlorobutadiene	<0.25		<0.25		ug/L		NC	20
Isopropylbenzene	<0.25		<0.25		ug/L		NC	20
m,p-Xylenes	<0.50		<0.50		ug/L		NC	20
m-Dichlorobenzene (1,3-DCB)	<0.50		<0.50		ug/L		NC	20
Methyl-tert-butyl Ether (MTBE)	<0.50		<0.50		ug/L		NC	20
Naphthalene	<0.50		<0.50		ug/L		NC	20
n-Butylbenzene	<0.50		<0.50		ug/L		NC	20
N-Propylbenzene	<0.50		<0.50		ug/L		NC	20
o-Chlorotoluene	<0.50		<0.50		ug/L		NC	20
o-Dichlorobenzene (1,2-DCB)	<0.50		<0.50		ug/L		NC	20
o-Xylene	<0.50		<0.50		ug/L		NC	20
p-Chlorotoluene	<0.50		<0.50		ug/L		NC	20
p-Dichlorobenzene (1,4-DCB)	<0.50		<0.50		ug/L		NC	20
p-Isopropyltoluene	<0.50		<0.50		ug/L		NC	20
sec-Butylbenzene	<0.50		<0.50		ug/L		NC	20
Styrene	<0.50		<0.50		ug/L		NC	20
Tert-amyl methyl ether	<3.0		<3.0		ug/L		NC	20
Tert-butyl ethyl ether	<2.0		<2.0		ug/L		NC	20
tert-Butylbenzene	<0.50		<0.50		ug/L		NC	20
Tetrachloroethene (PCE)	<0.50		<0.50		ug/L		NC	20
Toluene	<0.50		<0.50		ug/L		NC	20
Xylenes, Total	<0.50		<0.50		ug/L		NC	20
1,3-Dichloropropene, Total	<0.50		<0.50		ug/L		NC	20
trans-1,2-Dichloroethylene	<0.50		<0.50		ug/L		NC	20
trans-1,3-Dichloropropene	<0.50		<0.50		ug/L		NC	20
Trichloroethylene (TCE)	<0.50		<0.50		ug/L		NC	20
Trichlorofluoromethane (Freon 11)	<0.50		<0.50		ug/L		NC	20
Trichlorotrifluoroethane	<0.50		<0.50		ug/L		NC	20
Vinyl Chloride (VC)	<0.20		<0.20		ug/L		NC	20

Surrogate	DU %Recovery	DU Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130
Toluene-d8 (Surr)	98		70 - 130
1,2-Dichlorobenzene-d4 (Surr)	88		70 - 130

Lab Sample ID: MB 810-203650/4
Matrix: Water
Analysis Batch: 203650

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

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/28/26 10:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		07/28/26 10:33	1
4-Bromofluorobenzene (Surr)	88		70 - 130		07/28/26 10:33	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 810-203650/4

Matrix: Water

Analysis Batch: 203650

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130		07/28/26 10:33	1
1,2-Dichlorobenzene-d4 (Surr)	89		70 - 130		07/28/26 10:33	1

Lab Sample ID: 380-225354-2 MS

Matrix: Drinking Water

Analysis Batch: 203650

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Prep Type: Total/NA

Surrogate	%Recovery	MS MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	78		70 - 130
Toluene-d8 (Surr)	97		70 - 130
1,2-Dichlorobenzene-d4 (Surr)	77		70 - 130

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

Lab Sample ID: MB 380-241174/21-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 241174

Analyte	MB MB Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
2,4'-DDE	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
2,4'-DDT	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
2,4-Dinitrotoluene	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
2,6-Dinitrotoluene	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
4,4'-DDD	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
4,4'-DDE	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
4,4'-DDT	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Acenaphthene	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Acenaphthylene	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Acetochlor	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Alachlor	<0.050	0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
alpha-BHC	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
alpha-Chlordane	<0.050	0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Anthracene	<0.020	0.020	ug/L		07/21/26 07:35	07/22/26 13:04	1
Atrazine	<0.050	0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Benz(a)anthracene	<0.050	0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Benzo[a]pyrene	<0.020	0.020	ug/L		07/21/26 07:35	07/22/26 13:04	1
Benzo[b]fluoranthene	<0.020	0.020	ug/L		07/21/26 07:35	07/22/26 13:04	1
Benzo[g,h,i]perylene	<0.050	0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Benzo[k]fluoranthene	<0.020	0.020	ug/L		07/21/26 07:35	07/22/26 13:04	1
beta-BHC	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Bis(2-ethylhexyl) phthalate	<0.60	0.60	ug/L		07/21/26 07:35	07/22/26 13:04	1
Aldrin	<0.010	0.010	ug/L		07/21/26 07:35	07/22/26 13:04	1
Bromacil	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Butachlor	<0.050	0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Butylbenzylphthalate	<0.50	0.50	ug/L		07/21/26 07:35	07/22/26 13:04	1
Chlorobenzilate	<0.10	0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 380-241174/21-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 241174

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroneb	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Chlorothalonil (Draconil, Bravo)	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Chlorpyrifos	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Chrysene	<0.020		0.020	ug/L		07/21/26 07:35	07/22/26 13:04	1
delta-BHC	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		07/21/26 07:35	07/22/26 13:04	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Dieldrin	<0.010		0.010	ug/L		07/21/26 07:35	07/22/26 13:04	1
Diethylphthalate	<0.50		0.50	ug/L		07/21/26 07:35	07/22/26 13:04	1
Dimethylphthalate	<0.50		0.50	ug/L		07/21/26 07:35	07/22/26 13:04	1
Di-n-butyl phthalate	<1.0		1.0	ug/L		07/21/26 07:35	07/22/26 13:04	1
Di-n-octyl phthalate	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Endosulfan I (Alpha)	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Endosulfan II (Beta)	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Endosulfan sulfate	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Endrin	<0.010		0.010	ug/L		07/21/26 07:35	07/22/26 13:04	1
Endrin aldehyde	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
EPTC	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Fluoranthene	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Fluorene	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
gamma-BHC (Lindane)	<0.010		0.010	ug/L		07/21/26 07:35	07/22/26 13:04	1
gamma-Chlordane	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Heptachlor	<0.010	^3+	0.010	ug/L		07/21/26 07:35	07/22/26 13:04	1
Heptachlor epoxide (isomer B)	<0.010		0.010	ug/L		07/21/26 07:35	07/22/26 13:04	1
Hexachlorobenzene	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Isophorone	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Malathion	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Methoxychlor	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Metolachlor	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Molinate	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Naphthalene	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Parathion	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Pendimethalin (Penoxaline)	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Phenanthrene	<0.040		0.040	ug/L		07/21/26 07:35	07/22/26 13:04	1
Propachlor	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Pyrene	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Simazine	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Terbacil	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Terbuthylazine	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Thiobencarb	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		07/21/26 07:35	07/22/26 13:04	1
trans-Nonachlor	<0.050		0.050	ug/L		07/21/26 07:35	07/22/26 13:04	1
Trifluralin	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
1-Methylnaphthalene	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1
2-Methylnaphthalene	<0.10		0.10	ug/L		07/21/26 07:35	07/22/26 13:04	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 380-241174/21-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 241174

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>MB MB 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>
Cyclopentene, 1,2,3,4,5-pentamethyl-	0.672	T J N	ug/L		2.61	1000154-28-6	07/21/26 07:35	07/22/26 13:04	1
Cyclotetrasiloxane, octamethyl-	1.06	T J N	ug/L		2.85	556-67-2	07/21/26 07:35	07/22/26 13:04	1
Undecane	5.51	T J N	ug/L		3.21	1120-21-4	07/21/26 07:35	07/22/26 13:04	1
Cyclopentasiloxane, decamethyl-	0.705	T J N	ug/L		3.35	541-02-6	07/21/26 07:35	07/22/26 13:04	1
Cyclohexasiloxane, dodecamethyl-	0.531	T J N	ug/L		3.97	540-97-6	07/21/26 07:35	07/22/26 13:04	1
9-Octadecenamide, (Z)-	3.11	T J N	ug/L		8.07	301-02-0	07/21/26 07:35	07/22/26 13:04	1
13-Docosenamide, (Z)-	0.768	T J N	ug/L		10.63	112-84-5	07/21/26 07:35	07/22/26 13:04	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
2 Nitro m xylene	97		70 - 130	07/21/26 07:35	07/22/26 13:04	1
Perylene-d12	91		70 - 130	07/21/26 07:35	07/22/26 13:04	1
Triphenylphosphate	104		70 - 130	07/21/26 07:35	07/22/26 13:04	1

Lab Sample ID: LCS 380-241174/23-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241174

<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>
2,4'-DDD	1.98	2.01		ug/L		101	70 - 130
2,4'-DDE	1.98	1.98		ug/L		100	70 - 130
2,4'-DDT	1.98	2.08		ug/L		105	70 - 130
2,4-Dinitrotoluene	1.98	2.07		ug/L		104	70 - 130
2,6-Dinitrotoluene	1.98	2.01		ug/L		102	70 - 130
4,4'-DDD	1.98	1.98		ug/L		100	70 - 130
4,4'-DDE	1.98	1.96		ug/L		99	70 - 130
4,4'-DDT	1.98	2.17		ug/L		109	70 - 130
Acenaphthene	1.98	1.96		ug/L		99	70 - 130
Acenaphthylene	1.98	1.92		ug/L		97	70 - 130
Acetochlor	1.98	2.08		ug/L		105	70 - 130
Alachlor	1.98	2.11		ug/L		106	70 - 130
alpha-BHC	1.98	2.06		ug/L		104	70 - 130
alpha-Chlordane	1.98	2.04		ug/L		103	70 - 130
Anthracene	1.98	1.77		ug/L		89	70 - 130
Atrazine	1.98	2.08		ug/L		105	70 - 130
Benz(a)anthracene	1.98	2.01		ug/L		102	70 - 130
Benzo[a]pyrene	1.98	2.01		ug/L		102	70 - 130
Benzo[b]fluoranthene	1.98	1.97		ug/L		99	70 - 130
Benzo[g,h,i]perylene	1.98	2.02		ug/L		102	70 - 130
Benzo[k]fluoranthene	1.98	2.05		ug/L		103	70 - 130
beta-BHC	1.98	1.97		ug/L		99	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	1.96		ug/L		99	70 - 130
Aldrin	1.98	1.94		ug/L		98	70 - 130
Bromacil	1.98	2.05		ug/L		103	70 - 130
Butachlor	1.98	2.20		ug/L		111	70 - 130
Butylbenzylphthalate	1.98	2.14		ug/L		108	70 - 130
Chlorobenzilate	1.98	1.97		ug/L		99	70 - 130
Chloroneb	1.98	2.01		ug/L		101	70 - 130

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCS 380-241174/23-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorothalonil (Draconil, Bravo)	1.98	2.04		ug/L		103	70 - 130
Chlorpyrifos	1.98	2.10		ug/L		106	70 - 130
Chrysene	1.98	2.07		ug/L		104	70 - 130
delta-BHC	1.98	2.05		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.19		ug/L		111	70 - 130
Dibenz(a,h)anthracene	1.98	1.99		ug/L		100	70 - 130
Diclorvos (DDVP)	1.98	2.06		ug/L		104	70 - 130
Dieldrin	1.98	2.01		ug/L		101	70 - 130
Diethylphthalate	1.98	2.02		ug/L		102	70 - 130
Dimethylphthalate	1.98	2.15		ug/L		108	70 - 130
Di-n-butyl phthalate	3.97	3.91		ug/L		98	70 - 130
Di-n-octyl phthalate	1.98	1.97		ug/L		100	70 - 130
Endosulfan I (Alpha)	1.98	1.99		ug/L		100	70 - 130
Endosulfan II (Beta)	1.98	2.06		ug/L		104	70 - 130
Endosulfan sulfate	1.98	1.99		ug/L		100	70 - 130
Endrin	1.98	2.22		ug/L		112	70 - 130
Endrin aldehyde	1.98	2.05		ug/L		104	60 - 130
EPTC	1.98	2.12		ug/L		107	70 - 130
Fluoranthene	1.98	2.13		ug/L		108	70 - 130
Fluorene	1.98	1.97		ug/L		99	70 - 130
gamma-BHC (Lindane)	1.98	2.08		ug/L		105	70 - 130
gamma-Chlordane	1.98	2.05		ug/L		103	70 - 130
Heptachlor	1.98	2.10		ug/L		106	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.03		ug/L		102	70 - 130
Hexachlorobenzene	1.98	1.93		ug/L		97	70 - 130
Hexachlorocyclopentadiene	1.98	2.15		ug/L		108	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.00		ug/L		101	70 - 130
Isophorone	1.98	2.15		ug/L		108	70 - 130
Malathion	1.98	2.06		ug/L		104	70 - 130
Methoxychlor	1.98	2.15		ug/L		108	70 - 130
Metolachlor	1.98	2.15		ug/L		108	70 - 130
Molinate	1.98	2.00		ug/L		101	70 - 130
Naphthalene	1.98	1.94		ug/L		98	70 - 130
Parathion	1.98	2.13		ug/L		107	70 - 130
Pendimethalin (Penoxaline)	1.98	2.09		ug/L		105	70 - 130
Phenanthrene	1.98	1.95		ug/L		98	70 - 130
Propachlor	1.98	2.17		ug/L		109	70 - 130
Pyrene	1.98	2.07		ug/L		105	70 - 130
Simazine	1.98	1.95		ug/L		99	70 - 130
Terbacil	1.98	2.18		ug/L		110	70 - 130
Terbutylazine	1.98	2.12		ug/L		107	70 - 130
Thiobencarb	1.98	2.14		ug/L		108	70 - 130
trans-Nonachlor	1.98	2.13		ug/L		107	70 - 130
Trifluralin	1.98	1.97		ug/L		99	70 - 130
1-Methylnaphthalene	1.98	2.02		ug/L		102	70 - 130
2-Methylnaphthalene	1.98	1.98		ug/L		100	70 - 130

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCS 380-241174/23-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241174

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	99		70 - 130
Triphenylphosphate	108		70 - 130

Lab Sample ID: MRL 380-241174/22-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0994	0.0889	J	ug/L		89	50 - 150
2,4'-DDE	0.0994	0.0978	J	ug/L		98	50 - 150
2,4'-DDT	0.0994	0.116		ug/L		117	50 - 150
2,4-Dinitrotoluene	0.0994	0.120		ug/L		120	50 - 150
2,6-Dinitrotoluene	0.0994	0.108		ug/L		109	50 - 150
4,4'-DDD	0.0994	0.107		ug/L		108	50 - 150
4,4'-DDE	0.0994	0.0938	J	ug/L		94	50 - 150
4,4'-DDT	0.0994	0.111		ug/L		111	50 - 150
Acenaphthene	0.0994	0.0910	J	ug/L		92	50 - 150
Acenaphthylene	0.0994	0.0875	J	ug/L		88	50 - 150
Acetochlor	0.0994	0.104		ug/L		104	50 - 150
Alachlor	0.0497	0.0489	J	ug/L		98	50 - 150
alpha-BHC	0.0994	0.0973	J	ug/L		98	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		108	50 - 150
Anthracene	0.0199	0.0236		ug/L		119	50 - 150
Atrazine	0.0497	0.0561		ug/L		113	50 - 150
Benz(a)anthracene	0.0497	0.0537		ug/L		108	50 - 150
Benzo[a]pyrene	0.0199	0.0226		ug/L		114	50 - 150
Benzo[b]fluoranthene	0.0199	0.0220		ug/L		110	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0503		ug/L		101	50 - 150
Benzo[k]fluoranthene	0.0199	0.0244		ug/L		123	50 - 150
beta-BHC	0.0994	0.111		ug/L		112	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.593	J	ug/L		99	50 - 150
Aldrin	0.00994	0.0107		ug/L		108	50 - 150
Bromacil	0.0994	0.129		ug/L		129	50 - 150
Butachlor	0.0497	0.0605		ug/L		122	50 - 150
Butylbenzylphthalate	0.497	0.558		ug/L		112	50 - 150
Chlorobenzilate	0.0994	0.100		ug/L		101	50 - 150
Chloroneb	0.0994	0.101		ug/L		102	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0994	0.114		ug/L		114	50 - 150
Chlorpyrifos	0.0497	0.0523		ug/L		105	50 - 150
Chrysene	0.0199	0.0228		ug/L		115	50 - 150
delta-BHC	0.0994	0.103		ug/L		104	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.687		ug/L		115	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0513		ug/L		103	50 - 150
Diclorvos (DDVP)	0.0497	0.0527		ug/L		106	50 - 150
Dieldrin	0.00994	0.0129		ug/L		129	50 - 150
Diethylphthalate	0.497	0.504		ug/L		101	50 - 150
Dimethylphthalate	0.497	0.530		ug/L		107	50 - 150

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MRL 380-241174/22-A

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	0.497	0.520	J	ug/L		105	49 - 243
Di-n-octyl phthalate	0.0994	0.102		ug/L		103	50 - 150
Endosulfan I (Alpha)	0.0994	0.0861	J	ug/L		87	50 - 150
Endosulfan II (Beta)	0.0994	0.103		ug/L		104	50 - 150
Endosulfan sulfate	0.0994	0.106		ug/L		107	50 - 150
Endrin	0.00994	0.0104		ug/L		105	50 - 150
Endrin aldehyde	0.0994	0.116		ug/L		116	50 - 150
EPTC	0.0994	0.0957	J	ug/L		96	50 - 150
Fluoranthene	0.0994	0.101		ug/L		101	50 - 150
Fluorene	0.0497	0.0512		ug/L		103	50 - 150
gamma-BHC (Lindane)	0.00994	0.0135		ug/L		136	50 - 150
gamma-Chlordane	0.0249	0.0292	J	ug/L		117	50 - 150
Heptachlor	0.00994	0.0150	^3+	ug/L		151	50 - 150
Heptachlor epoxide (isomer B)	0.00994	0.0132		ug/L		133	50 - 150
Hexachlorobenzene	0.0497	0.0483	J	ug/L		97	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0623		ug/L		125	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0495	J	ug/L		100	50 - 150
Isophorone	0.0994	0.104		ug/L		105	50 - 150
Malathion	0.0994	0.107		ug/L		107	50 - 150
Methoxychlor	0.0497	0.0598		ug/L		120	50 - 150
Metolachlor	0.0497	0.0552		ug/L		111	50 - 150
Molinate	0.0994	0.102		ug/L		103	50 - 150
Naphthalene	0.0994	0.0914	J	ug/L		92	50 - 150
Parathion	0.0994	0.0971	J	ug/L		98	50 - 150
Pendimethalin (Penoxaline)	0.0994	0.107		ug/L		108	50 - 150
Phenanthrene	0.0398	0.0427		ug/L		107	50 - 150
Propachlor	0.0497	0.0545		ug/L		110	50 - 150
Pyrene	0.0497	0.0519		ug/L		105	50 - 150
Simazine	0.0497	0.0557		ug/L		112	50 - 150
Terbacil	0.0994	0.124		ug/L		125	50 - 150
Terbutylazine	0.0994	0.110		ug/L		110	50 - 150
Thiobencarb	0.0994	0.109		ug/L		109	50 - 150
trans-Nonachlor	0.0249	0.0309	J	ug/L		124	50 - 150
Trifluralin	0.0994	0.104		ug/L		105	50 - 150
1-Methylnaphthalene	0.0994	0.0990		ug/L		100	50 - 150
2-Methylnaphthalene	0.0994	0.0992		ug/L		100	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: 380-225354-1 MS

Matrix: Drinking Water

Analysis Batch: 241568

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.098		1.97	2.08		ug/L		106	70 - 130

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225354-1 MS

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 241568

Prep Batch: 241174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDE	<0.098		1.97	2.03		ug/L		103	70 - 130
2,4'-DDT	<0.098		1.97	2.11		ug/L		107	70 - 130
2,4-Dinitrotoluene	<0.098		1.97	2.23		ug/L		113	70 - 130
2,6-Dinitrotoluene	<0.098		1.97	2.11		ug/L		107	70 - 130
4,4'-DDD	<0.098		1.97	2.06		ug/L		105	70 - 130
4,4'-DDE	<0.098		1.97	2.03		ug/L		104	70 - 130
4,4'-DDT	<0.098		1.97	2.22		ug/L		113	70 - 130
Acenaphthene	<0.098		1.97	1.98		ug/L		101	70 - 130
Acenaphthylene	<0.098		1.97	1.91		ug/L		97	70 - 130
Acetochlor	<0.098		1.97	2.12		ug/L		108	70 - 130
Alachlor	<0.049		1.97	2.13		ug/L		108	70 - 130
alpha-BHC	<0.098		1.97	2.10		ug/L		107	70 - 130
alpha-Chlordane	<0.049		1.97	2.08		ug/L		106	70 - 130
Anthracene	<0.020		1.97	1.60		ug/L		82	70 - 130
Atrazine	<0.049		1.97	2.21		ug/L		113	70 - 130
Benz(a)anthracene	<0.049		1.97	2.08		ug/L		106	70 - 130
Benzo[a]pyrene	<0.020		1.97	1.93		ug/L		98	70 - 130
Benzo[b]fluoranthene	<0.020		1.97	1.96		ug/L		100	70 - 130
Benzo[g,h,i]perylene	<0.049		1.97	1.86		ug/L		95	70 - 130
Benzo[k]fluoranthene	<0.020		1.97	2.07		ug/L		105	70 - 130
beta-BHC	<0.098		1.97	2.07		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.97	1.81		ug/L		92	70 - 130
Aldrin	<0.0098		1.97	2.01		ug/L		102	70 - 130
Bromacil	<0.098		1.97	2.21		ug/L		112	70 - 130
Butachlor	<0.049		1.97	2.25		ug/L		114	70 - 130
Butylbenzylphthalate	<0.49		1.97	2.22		ug/L		113	70 - 130
Chlorobenzilate	<0.098		1.97	2.05		ug/L		104	70 - 130
Chloroneb	<0.098		1.97	2.01		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.97	2.16		ug/L		110	70 - 130
Chlorpyrifos	<0.049		1.97	2.20		ug/L		112	70 - 130
Chrysene	<0.020		1.97	2.10		ug/L		107	70 - 130
delta-BHC	<0.098		1.97	2.13		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.97	2.19		ug/L		111	70 - 130
Dibenz(a,h)anthracene	<0.049		1.97	1.85		ug/L		94	70 - 130
Diclorvos (DDVP)	<0.049		1.97	2.11		ug/L		107	70 - 130
Dieldrin	<0.0098		1.97	2.03		ug/L		103	70 - 130
Diethylphthalate	<0.49		1.97	2.06		ug/L		105	70 - 130
Dimethylphthalate	<0.49		1.97	2.18		ug/L		111	70 - 130
Di-n-butyl phthalate	<0.98		3.93	4.07		ug/L		103	70 - 130
Di-n-octyl phthalate	<0.098		1.97	1.84		ug/L		94	70 - 130
Endosulfan I (Alpha)	<0.098		1.97	1.99		ug/L		101	70 - 130
Endosulfan II (Beta)	<0.098		1.97	2.09		ug/L		106	70 - 130
Endosulfan sulfate	<0.098		1.97	2.01		ug/L		102	70 - 130
Endrin	<0.0098		1.97	2.27		ug/L		115	70 - 130
Endrin aldehyde	<0.098		1.97	1.93		ug/L		98	60 - 130
EPTC	<0.098		1.97	2.13		ug/L		108	70 - 130
Fluoranthene	<0.098		1.97	2.24		ug/L		114	70 - 130
Fluorene	<0.049		1.97	2.00		ug/L		102	70 - 130
gamma-BHC (Lindane)	<0.0098		1.97	2.15		ug/L		109	70 - 130

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225354-1 MS

Matrix: Drinking Water

Analysis Batch: 241568

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-Chlordane	<0.049		1.97	2.08		ug/L		106	70 - 130
Heptachlor	<0.0098	^3+	1.97	2.14		ug/L		109	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.97	2.07		ug/L		106	70 - 130
Hexachlorobenzene	<0.049		1.97	2.00		ug/L		102	70 - 130
Hexachlorocyclopentadiene	<0.049		1.97	2.24		ug/L		114	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.97	1.92		ug/L		98	70 - 130
Isophorone	<0.098		1.97	2.13		ug/L		108	70 - 130
Malathion	<0.098		1.97	2.13		ug/L		108	70 - 130
Methoxychlor	<0.049		1.97	2.18		ug/L		111	70 - 130
Metolachlor	<0.049		1.97	2.17		ug/L		110	70 - 130
Molinate	<0.098		1.97	2.04		ug/L		104	70 - 130
Naphthalene	<0.098		1.97	1.94		ug/L		99	70 - 130
Parathion	<0.098		1.97	2.29		ug/L		117	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.97	2.22		ug/L		113	70 - 130
Phenanthrene	<0.039		1.97	1.99		ug/L		101	70 - 130
Propachlor	<0.049		1.97	2.24		ug/L		114	70 - 130
Pyrene	<0.049		1.97	2.17		ug/L		110	70 - 130
Simazine	<0.049		1.97	2.09		ug/L		106	70 - 130
Terbacil	<0.098		1.97	2.41		ug/L		123	70 - 130
Terbutylazine	<0.098		1.97	2.25		ug/L		114	70 - 130
Thiobencarb	<0.098		1.97	2.22		ug/L		113	70 - 130
trans-Nonachlor	<0.049		1.97	2.16		ug/L		110	70 - 130
Trifluralin	<0.098		1.97	2.03		ug/L		103	70 - 130
1-Methylnaphthalene	<0.098		1.97	2.03		ug/L		103	70 - 130
2-Methylnaphthalene	<0.098		1.97	2.01		ug/L		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	97		70 - 130
Triphenylphosphate	110		70 - 130

Lab Sample ID: 380-225356-T-1-A DU

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
2,4'-DDD	<0.098		<0.098		ug/L		NC	20
2,4'-DDE	<0.098		<0.098		ug/L		NC	20
2,4'-DDT	<0.098		<0.098		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
4,4'-DDD	<0.098		<0.098		ug/L		NC	20
4,4'-DDE	<0.098		<0.098		ug/L		NC	20
4,4'-DDT	<0.098		<0.098		ug/L		NC	20
Acenaphthene	<0.098		<0.098		ug/L		NC	20
Acenaphthylene	<0.098		<0.098		ug/L		NC	20
Acetochlor	<0.098		<0.098		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225356-T-1-A DU

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
alpha-BHC	<0.098		<0.098		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.098		<0.098		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.59		ug/L		NC	20
Aldrin	<0.0098		<0.0098		ug/L		NC	20
Bromacil	<0.098		<0.098		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.098		<0.098		ug/L		NC	20
Chloroneb	<0.098		<0.098		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.098		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.098		<0.098		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.59		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	0.021		0.0191		ug/L		7	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.98		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.098		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.098		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.098		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.098		ug/L		NC	20
Endrin	<0.0098		<0.0098		ug/L		NC	20
Endrin aldehyde	<0.098		<0.098		ug/L		NC	20
EPTC	<0.098		<0.098		ug/L		NC	20
Fluoranthene	<0.098		<0.098		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-BHC (Lindane)	<0.0098		<0.0098		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0098	^3+	<0.0098		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.013		0.0119		ug/L		9	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.098		<0.098		ug/L		NC	20
Malathion	<0.098		<0.098		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.098		<0.098		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225356-T-1-A DU

Matrix: Water

Analysis Batch: 241568

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 241174

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Naphthalene	<0.098		<0.098		ug/L		NC	20
Parathion	<0.098		<0.098		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.098		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.098		<0.098		ug/L		NC	20
Terbuthylazine	<0.098		<0.098		ug/L		NC	20
Thiobencarb	<0.098		<0.098		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.20		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.098		<0.098		ug/L		NC	20
1-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20

Surrogate	%Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	96		70 - 130
Triphenylphosphate	107		70 - 130

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

Lab Sample ID: MB 570-771023/1-A

Matrix: Water

Analysis Batch: 775065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771023

Tentatively Identified Compound	Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/19/26 07:42	07/27/26 20:49	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		33 - 139	07/19/26 07:42	07/27/26 20:49	1
2-Fluorobiphenyl (Surr)	78		33 - 126	07/19/26 07:42	07/27/26 20:49	1
2-Fluorophenol (Surr)	53		12 - 120	07/19/26 07:42	07/27/26 20:49	1
Nitrobenzene-d5 (Surr)	83		36 - 120	07/19/26 07:42	07/27/26 20:49	1
Phenol-d6 (Surr)	31		10 - 120	07/19/26 07:42	07/27/26 20:49	1
p-Terphenyl-d14 (Surr)	72		47 - 131	07/19/26 07:42	07/27/26 20:49	1

Lab Sample ID: MB 570-771081/1-A

Matrix: Water

Analysis Batch: 775065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771081

Tentatively Identified Compound	Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/19/26 11:06	07/27/26 20:00	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	57		33 - 139	07/19/26 11:06	07/27/26 20:00	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 570-771081/1-A

Matrix: Water

Analysis Batch: 775065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771081

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		33 - 126	07/19/26 11:06	07/27/26 20:00	1
2-Fluorophenol (Surr)	52		12 - 120	07/19/26 11:06	07/27/26 20:00	1
Nitrobenzene-d5 (Surr)	81		36 - 120	07/19/26 11:06	07/27/26 20:00	1
Phenol-d6 (Surr)	31		10 - 120	07/19/26 11:06	07/27/26 20:00	1
p-Terphenyl-d14 (Surr)	71		47 - 131	07/19/26 11 06	07/27/26 20 00	1

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

Lab Sample ID: MB 570-771023/1-A

Matrix: Water

Analysis Batch: 771785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771023

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
2-Chloronaphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
2-Chlorophenol	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
2-Methylphenol	<1.0		1.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
2-Nitroaniline	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
2-Nitrophenol	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
3/4-Methylphenol	<2.0		2.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
3-Nitroaniline	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
4-Chloroaniline	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
4-Nitroaniline	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
4-Nitrophenol	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
Acenaphthene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Acenaphthylene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Aniline	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Anthracene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzidine	<5.0		5.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzoic acid	<10		10	ug/L		07/19/26 07:42	07/21/26 07:03	1
Benzyl alcohol	<1.0		1.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 570-771023/1-A

Matrix: Water

Analysis Batch: 771785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771023

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Dibenzofuran	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Fluoranthene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Fluorene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Hexachloroethane	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Naphthalene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Nitrobenzene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Pentachlorophenol	<1.0		1.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
Phenanthrene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1
Phenol	<1.0		1.0	ug/L		07/19/26 07:42	07/21/26 07:03	1
Pyrene	<0.20		0.20	ug/L		07/19/26 07:42	07/21/26 07:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		28 - 127	07/19/26 07:42	07/21/26 07:03	1
2-Fluorobiphenyl (Surr)	77		31 - 120	07/19/26 07:42	07/21/26 07:03	1
2-Fluorophenol (Surr)	56		17 - 120	07/19/26 07:42	07/21/26 07:03	1
Nitrobenzene-d5 (Surr)	81		27 - 120	07/19/26 07:42	07/21/26 07:03	1
Phenol-d6 (Surr)	34		10 - 120	07/19/26 07:42	07/21/26 07:03	1
p-Terphenyl-d14 (Surr)	77		45 - 120	07/19/26 07:42	07/21/26 07:03	1

Lab Sample ID: LCS 570-771023/2-A

Matrix: Water

Analysis Batch: 771785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 771023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	14.7		ug/L		73	47 - 120
2,4,5-Trichlorophenol	20.0	17.4		ug/L		87	57 - 120
2,4,6-Trichlorophenol	20.0	16.7		ug/L		83	52 - 129
2,4-Dichlorophenol	20.0	14.6		ug/L		73	53 - 122
2,4-Dinitrophenol	20.0	16.7		ug/L		83	1 - 173
2,6-Dichlorophenol	20.0	14.4		ug/L		72	50 - 120
2-Chloronaphthalene	20.0	17.6		ug/L		88	65 - 120
2-Chlorophenol	20.0	16.9		ug/L		84	36 - 120
2-Methylnaphthalene	20.0	13.1		ug/L		65	43 - 120
2-Methylphenol	20.0	14.6		ug/L		73	46 - 120
2-Nitroaniline	20.0	18.7		ug/L		93	51 - 125
2-Nitrophenol	20.0	14.6		ug/L		73	45 - 167
3/4-Methylphenol	40.0	27.9		ug/L		70	29 - 120
3-Nitroaniline	20.0	18.5		ug/L		92	62 - 129
4,6-Dinitro-2-methylphenol	20.0	17.1		ug/L		86	53 - 130
4-Bromophenyl phenyl ether	20.0	15.8		ug/L		79	65 - 120
4-Chloro-3-methylphenol	20.0	14.8		ug/L		74	41 - 128
4-Chloroaniline	20.0	14.5		ug/L		72	51 - 120
4-Chlorophenyl phenyl ether	20.0	18.6		ug/L		93	38 - 145

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCS 570-771023/2-A

Matrix: Water

Analysis Batch: 771785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 771023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitroaniline	20.0	19.9		ug/L		99	64 - 129
4-Nitrophenol	20.0	8.71		ug/L		44	13 - 129
Acenaphthene	20.0	16.4		ug/L		82	60 - 132
Acenaphthylene	20.0	16.3		ug/L		81	54 - 126
Aniline	20.0	16.9		ug/L		85	52 - 121
Anthracene	20.0	16.1		ug/L		81	43 - 120
Benzidine	20.0	<1.4	*-	ug/L		5	20 - 164
Benzo[a]anthracene	20.0	17.8		ug/L		89	42 - 133
Benzo[a]pyrene	20.0	17.9		ug/L		90	32 - 148
Benzo[b]fluoranthene	20.0	17.3		ug/L		86	42 - 140
Benzo[g,h,i]perylene	20.0	16.7		ug/L		83	1 - 195
Benzo[k]fluoranthene	20.0	16.2		ug/L		81	25 - 146
Benzoic acid	20.0	7.16	J	ug/L		36	20 - 120
Benzyl alcohol	20.0	17.0		ug/L		85	44 - 122
Bis(2-chloroethoxy)methane	20.0	14.9		ug/L		75	49 - 165
Bis(2-chloroethyl)ether	20.0	16.8		ug/L		84	43 - 126
bis (2-Chloroisopropyl) ether	20.0	17.4		ug/L		87	63 - 139
Chrysene	20.0	16.8		ug/L		84	44 - 140
Dibenz(a,h)anthracene	20.0	17.1		ug/L		86	1 - 200
Dibenzofuran	20.0	17.6		ug/L		88	48 - 120
Fluoranthene	20.0	17.1		ug/L		85	43 - 121
Fluorene	20.0	17.4		ug/L		87	70 - 120
Hexachloroethane	20.0	14.9		ug/L		74	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	16.6		ug/L		83	1 - 151
Naphthalene	20.0	13.3		ug/L		66	36 - 120
Nitrobenzene	20.0	14.7		ug/L		73	54 - 158
N-Nitrosodi-n-propylamine	20.0	18.2		ug/L		91	14 - 198
N-Nitrosodiphenylamine	20.0	22.1		ug/L		111	65 - 133
Pentachlorophenol	20.0	15.5		ug/L		77	38 - 152
Phenanthrene	20.0	16.8		ug/L		84	65 - 120
Phenol	20.0	8.28		ug/L		41	17 - 120
Pyrene	20.0	17.8		ug/L		89	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	89		28 - 127
2-Fluorobiphenyl (Surr)	81		31 - 120
2-Fluorophenol (Surr)	62		17 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d6 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	88		45 - 120

Lab Sample ID: LCSD 570-771023/3-A

Matrix: Water

Analysis Batch: 771785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 771023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.3		ug/L		71	47 - 120	3	20
2,4,5-Trichlorophenol	20.0	18.3		ug/L		91	57 - 120	5	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCSD 570-771023/3-A

Matrix: Water

Analysis Batch: 771785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 771023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,6-Trichlorophenol	20.0	17.3		ug/L		86	52 - 129	3	35
2,4-Dichlorophenol	20.0	14.5		ug/L		72	53 - 122	1	30
2,4-Dinitrophenol	20.0	17.7		ug/L		89	1 - 173	6	79
2,6-Dichlorophenol	20.0	14.5		ug/L		72	50 - 120	0	20
2-Chloronaphthalene	20.0	17.8		ug/L		89	65 - 120	1	15
2-Chlorophenol	20.0	17.1		ug/L		85	36 - 120	1	37
2-Methylnaphthalene	20.0	12.9		ug/L		64	43 - 120	2	20
2-Methylphenol	20.0	15.0		ug/L		75	46 - 120	2	20
2-Nitroaniline	20.0	19.2		ug/L		96	51 - 125	3	20
2-Nitrophenol	20.0	14.2		ug/L		71	45 - 167	2	33
3/4-Methylphenol	40.0	29.3		ug/L		73	29 - 120	5	20
3-Nitroaniline	20.0	18.8		ug/L		94	62 - 129	2	20
4,6-Dinitro-2-methylphenol	20.0	18.2		ug/L		91	53 - 130	6	122
4-Bromophenyl phenyl ether	20.0	15.9		ug/L		80	65 - 120	1	26
4-Chloro-3-methylphenol	20.0	15.6		ug/L		78	41 - 128	5	44
4-Chloroaniline	20.0	12.6		ug/L		63	51 - 120	14	20
4-Chlorophenyl phenyl ether	20.0	19.0		ug/L		95	38 - 145	3	36
4-Nitroaniline	20.0	21.3		ug/L		106	64 - 129	7	20
4-Nitrophenol	20.0	9.41		ug/L		47	13 - 129	8	79
Acenaphthene	20.0	16.8		ug/L		84	60 - 132	3	29
Acenaphthylene	20.0	16.6		ug/L		83	54 - 126	2	45
Aniline	20.0	6.04	*- *1	ug/L		30	52 - 121	95	21
Anthracene	20.0	16.4		ug/L		82	43 - 120	2	40
Benzidine	20.0	<1.4	*- *1	ug/L		3	20 - 164	39	30
Benzo[a]anthracene	20.0	18.6		ug/L		93	42 - 133	4	32
Benzo[a]pyrene	20.0	18.2		ug/L		91	32 - 148	2	43
Benzo[b]fluoranthene	20.0	17.3		ug/L		87	42 - 140	0	43
Benzo[g,h,i]perylene	20.0	16.8		ug/L		84	1 - 195	1	61
Benzo[k]fluoranthene	20.0	17.4		ug/L		87	25 - 146	7	38
Benzoic acid	20.0	7.72	J	ug/L		39	20 - 120	7	30
Benzyl alcohol	20.0	17.5		ug/L		87	44 - 122	3	20
Bis(2-chloroethoxy)methane	20.0	14.9		ug/L		74	49 - 165	0	32
Bis(2-chloroethyl)ether	20.0	17.6		ug/L		88	43 - 126	4	65
bis (2-Chloroisopropyl) ether	20.0	17.5		ug/L		88	63 - 139	0	46
Chrysene	20.0	17.5		ug/L		88	44 - 140	4	53
Dibenz(a,h)anthracene	20.0	17.5		ug/L		87	1 - 200	2	75
Dibenzofuran	20.0	17.8		ug/L		89	48 - 120	1	20
Fluoranthene	20.0	17.3		ug/L		87	43 - 121	2	40
Fluorene	20.0	18.1		ug/L		90	70 - 120	4	23
Hexachloroethane	20.0	14.7		ug/L		73	55 - 120	1	32
Indeno[1,2,3-cd]pyrene	20.0	17.0		ug/L		85	1 - 151	2	60
Naphthalene	20.0	13.1		ug/L		66	36 - 120	1	39
Nitrobenzene	20.0	14.6		ug/L		73	54 - 158	1	37
N-Nitrosodi-n-propylamine	20.0	18.6		ug/L		93	14 - 198	2	52
N-Nitrosodiphenylamine	20.0	22.8		ug/L		114	65 - 133	3	20
Pentachlorophenol	20.0	16.3		ug/L		81	38 - 152	5	52
Phenanthrene	20.0	17.1		ug/L		85	65 - 120	2	24
Phenol	20.0	8.49		ug/L		42	17 - 120	3	39
Pyrene	20.0	18.7		ug/L		93	70 - 120	5	30

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	90		28 - 127
2-Fluorobiphenyl (Surr)	82		31 - 120
2-Fluorophenol (Surr)	64		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	42		10 - 120
p-Terphenyl-d14 (Surr)	93		45 - 120

Lab Sample ID: 380-225006-A-1-A MS
Matrix: Water
Analysis Batch: 772960

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 771023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.4	14.4		ug/L		74	36 - 120
2,4,5-Trichlorophenol	<4.9		19.4	17.5		ug/L		90	21 - 145
2,4,6-Trichlorophenol	<0.97		19.4	16.3		ug/L		84	37 - 144
2,4-Dichlorophenol	<0.97		19.4	14.1		ug/L		73	39 - 135
2,4-Dinitrophenol	<4.9		19.4	18.1		ug/L		94	1 - 191
2,6-Dichlorophenol	<4.9		19.4	14.1		ug/L		73	24 - 134
2-Chloronaphthalene	<0.19		19.4	17.6		ug/L		91	60 - 120
2-Chlorophenol	<0.19		19.4	16.1		ug/L		83	23 - 143
2-Methylnaphthalene	<0.19		19.4	13.2		ug/L		68	32 - 124
2-Methylphenol	<0.97		19.4	13.9		ug/L		72	10 - 135
2-Nitroaniline	<4.9		19.4	17.7		ug/L		91	10 - 147
2-Nitrophenol	<4.9		19.4	13.8		ug/L		71	29 - 182
3/4-Methylphenol	<1.9		38.8	23.4		ug/L		60	10 - 118
3-Nitroaniline	<4.9		19.4	17.3		ug/L		89	10 - 153
4,6-Dinitro-2-methylphenol	<4.9		19.4	17.5		ug/L		90	1 - 181
4-Bromophenyl phenyl ether	<0.19		19.4	15.9		ug/L		82	53 - 127
4-Chloro-3-methylphenol	<0.97		19.4	14.2		ug/L		73	22 - 147
4-Chloroaniline	<4.9		19.4	11.8		ug/L		61	10 - 131
4-Chlorophenyl phenyl ether	<0.19		19.4	19.1		ug/L		98	25 - 158
4-Nitroaniline	<4.9		19.4	19.7		ug/L		102	10 - 180
4-Nitrophenol	<4.9	F1	19.4	<4.8	F1	ug/L		0	1 - 132
Acenaphthene	<0.19		19.4	16.6		ug/L		86	47 - 145
Acenaphthylene	<0.19		19.4	16.1		ug/L		83	33 - 145
Aniline	<0.19	F2 *- *1	19.4	7.37		ug/L		38	10 - 113
Anthracene	<0.19		19.4	15.9		ug/L		82	27 - 133
Benzidine	<4.9	*- F1 *1	19.4	<4.8	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.19		19.4	17.7		ug/L		91	33 - 143
Benzo[a]pyrene	<0.19		19.4	17.7		ug/L		91	17 - 163
Benzo[b]fluoranthene	<0.19		19.4	16.4		ug/L		84	24 - 159
Benzo[g,h,i]perylene	<0.19		19.4	16.5		ug/L		85	1 - 219
Benzo[k]fluoranthene	<0.19		19.4	16.7		ug/L		86	11 - 162
Benzoic acid	<9.7		19.4	<9.7		ug/L		29	10 - 97
Benzyl alcohol	<0.97		19.4	13.4		ug/L		69	10 - 122
Bis(2-chloroethoxy)methane	<0.19		19.4	14.5		ug/L		75	33 - 184
Bis(2-chloroethyl)ether	<0.19		19.4	17.7		ug/L		91	12 - 158
bis (2-Chloroisopropyl) ether	<0.19		19.4	16.7		ug/L		86	36 - 166
Chrysene	<0.19		19.4	16.6		ug/L		85	17 - 168
Dibenz(a,h)anthracene	<0.19		19.4	16.6		ug/L		86	1 - 227
Dibenzofuran	<0.19		19.4	17.6		ug/L		91	42 - 111

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225006-A-1-A MS

Matrix: Water

Analysis Batch: 772960

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 771023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	<0.19		19.4	17.1		ug/L		88	26 - 137
Fluorene	<0.19		19.4	17.9		ug/L		92	59 - 121
Hexachloroethane	<0.19		19.4	15.5		ug/L		80	40 - 120
Indeno[1,2,3-cd]pyrene	<0.19		19.4	16.3		ug/L		84	1 - 171
Naphthalene	<0.19		19.4	13.3		ug/L		69	21 - 133
Nitrobenzene	<0.19		19.4	14.4		ug/L		74	35 - 180
N-Nitrosodi-n-propylamine	<0.19		19.4	17.0		ug/L		88	1 - 230
N-Nitrosodiphenylamine	<0.19		19.4	20.5		ug/L		106	10 - 179
Pentachlorophenol	<0.97		19.4	16.2		ug/L		83	14 - 176
Phenanthrene	<0.19		19.4	16.6		ug/L		86	54 - 120
Phenol	<0.97		19.4	6.59		ug/L		34	5 - 120
Pyrene	<0.19		19.4	17.7		ug/L		92	52 - 120

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2,4,6-Tribromophenol (Surr)	89		28 - 127
2-Fluorobiphenyl (Surr)	80		31 - 120
2-Fluorophenol (Surr)	69		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	87		45 - 120

Lab Sample ID: 380-225006-A-1-B MSD

Matrix: Water

Analysis Batch: 772960

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 771023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		18.9	14.4		ug/L		76	36 - 120	0	30
2,4,5-Trichlorophenol	<4.9		18.9	16.2		ug/L		86	21 - 145	8	30
2,4,6-Trichlorophenol	<0.97		18.9	15.3		ug/L		81	37 - 144	6	58
2,4-Dichlorophenol	<0.97		18.9	13.2		ug/L		70	39 - 135	6	50
2,4-Dinitrophenol	<4.9		18.9	14.2		ug/L		75	1 - 191	25	132
2,6-Dichlorophenol	<4.9		18.9	13.5		ug/L		71	24 - 134	4	30
2-Chloronaphthalene	<0.19		18.9	16.4		ug/L		87	60 - 120	7	24
2-Chlorophenol	<0.19		18.9	14.8		ug/L		78	23 - 143	8	61
2-Methylnaphthalene	<0.19		18.9	12.6		ug/L		66	32 - 124	4	30
2-Methylphenol	<0.97		18.9	13.7		ug/L		73	10 - 135	1	30
2-Nitroaniline	<4.9		18.9	17.0		ug/L		90	10 - 147	4	30
2-Nitrophenol	<4.9		18.9	13.2		ug/L		70	29 - 182	4	55
3/4-Methylphenol	<1.9		37.9	22.9		ug/L		61	10 - 118	2	30
3-Nitroaniline	<4.9		18.9	15.5		ug/L		82	10 - 153	11	30
4,6-Dinitro-2-methylphenol	<4.9		18.9	15.1		ug/L		80	1 - 181	15	203
4-Bromophenyl phenyl ether	<0.19		18.9	14.7		ug/L		78	53 - 127	8	43
4-Chloro-3-methylphenol	<0.97		18.9	13.7		ug/L		73	22 - 147	3	73
4-Chloroaniline	<4.9		18.9	8.82		ug/L		47	10 - 131	29	30
4-Chlorophenyl phenyl ether	<0.19		18.9	17.9		ug/L		95	25 - 158	6	61
4-Nitroaniline	<4.9		18.9	17.8		ug/L		94	10 - 180	10	30
4-Nitrophenol	<4.9	F1	18.9	6.23		ug/L		33	1 - 132	NC	131
Acenaphthene	<0.19		18.9	15.6		ug/L		82	47 - 145	6	48

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225006-A-1-B MSD

Matrix: Water

Analysis Batch: 772960

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 771023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene	<0.19		18.9	15.3		ug/L		81	33 - 145	6	74
Aniline	<0.19	F2 * - *1	18.9	2.75	F2	ug/L		15	10 - 113	91	30
Anthracene	<0.19		18.9	14.9		ug/L		79	27 - 133	6	66
Benzidine	<4.9	* - F1 *1	18.9	<4.7	F1	ug/L		0	10 - 57	NC	30
Benzo[a]anthracene	<0.19		18.9	15.9		ug/L		84	33 - 143	11	53
Benzo[a]pyrene	<0.19		18.9	16.0		ug/L		85	17 - 163	10	72
Benzo[b]fluoranthene	<0.19		18.9	14.8		ug/L		78	24 - 159	10	71
Benzo[g,h,i]perylene	<0.19		18.9	15.5		ug/L		82	1 - 219	6	97
Benzo[k]fluoranthene	<0.19		18.9	15.3		ug/L		81	11 - 162	9	63
Benzoic acid	<9.7		18.9	<9.5		ug/L		27	10 - 97	11	30
Benzyl alcohol	<0.97		18.9	12.4		ug/L		66	10 - 122	8	30
Bis(2-chloroethoxy)methane	<0.19		18.9	14.0		ug/L		74	33 - 184	4	54
Bis(2-chloroethyl)ether	<0.19		18.9	16.4		ug/L		86	12 - 158	8	108
bis (2-Chloroisopropyl) ether	<0.19		18.9	16.1		ug/L		85	36 - 166	4	76
Chrysene	<0.19		18.9	15.3		ug/L		81	17 - 168	8	87
Dibenz(a,h)anthracene	<0.19		18.9	16.0		ug/L		85	1 - 227	3	126
Dibenzofuran	<0.19		18.9	16.5		ug/L		87	42 - 111	6	30
Fluoranthene	<0.19		18.9	16.0		ug/L		84	26 - 137	7	66
Fluorene	<0.19		18.9	16.7		ug/L		88	59 - 121	7	38
Hexachloroethane	<0.19		18.9	14.9		ug/L		79	40 - 120	4	52
Indeno[1,2,3-cd]pyrene	<0.19		18.9	15.1		ug/L		80	1 - 171	8	99
Naphthalene	<0.19		18.9	12.8		ug/L		68	21 - 133	3	65
Nitrobenzene	<0.19		18.9	13.8		ug/L		73	35 - 180	4	62
N-Nitrosodi-n-propylamine	<0.19		18.9	16.3		ug/L		86	1 - 230	5	87
N-Nitrosodiphenylamine	<0.19		18.9	19.2		ug/L		102	10 - 179	7	30
Pentachlorophenol	<0.97		18.9	13.6		ug/L		72	14 - 176	17	86
Phenanthrene	<0.19		18.9	15.4		ug/L		82	54 - 120	7	39
Phenol	<0.97		18.9	6.01		ug/L		32	5 - 120	9	64
Pyrene	<0.19		18.9	15.7		ug/L		83	52 - 120	12	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		28 - 127
2-Fluorobiphenyl (Surr)	76		31 - 120
2-Fluorophenol (Surr)	57		17 - 120
Nitrobenzene-d5 (Surr)	67		27 - 120
Phenol-d6 (Surr)	38		10 - 120
p-Terphenyl-d14 (Surr)	80		45 - 120

Lab Sample ID: MB 570-771081/1-A

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771081

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 570-771081/1-A

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771081

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dichlorophenol	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
2-Chloronaphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
2-Chlorophenol	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
2-Methylphenol	<1.0		1.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
2-Nitroaniline	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
2-Nitrophenol	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
3/4-Methylphenol	<2.0		2.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
3-Nitroaniline	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
4-Chloroaniline	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
4-Nitroaniline	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
4-Nitrophenol	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
Acenaphthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Acenaphthylene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Aniline	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Anthracene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzidine	<5.0		5.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzoic acid	<10		10	ug/L		07/19/26 11:06	07/22/26 22:07	1
Benzyl alcohol	<1.0		1.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Chrysene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Dibenzofuran	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Fluoranthene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Fluorene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Hexachloroethane	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Naphthalene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Nitrobenzene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Pentachlorophenol	<1.0		1.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
Phenanthrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1
Phenol	<1.0		1.0	ug/L		07/19/26 11:06	07/22/26 22:07	1
Pyrene	<0.20		0.20	ug/L		07/19/26 11:06	07/22/26 22:07	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 570-771081/1-A

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771081

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		28 - 127	07/19/26 11:06	07/22/26 22:07	1
2-Fluorobiphenyl (Surr)	76		31 - 120	07/19/26 11:06	07/22/26 22:07	1
2-Fluorophenol (Surr)	50		17 - 120	07/19/26 11:06	07/22/26 22:07	1
Nitrobenzene-d5 (Surr)	75		27 - 120	07/19/26 11:06	07/22/26 22:07	1
Phenol-d6 (Surr)	32		10 - 120	07/19/26 11:06	07/22/26 22:07	1
p-Terphenyl-d14 (Surr)	74		45 - 120	07/19/26 11:06	07/22/26 22:07	1

Lab Sample ID: LCS 570-771081/2-A

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	16.7		ug/L		83	47 - 120
2,4,5-Trichlorophenol	20.0	17.6		ug/L		88	57 - 120
2,4,6-Trichlorophenol	20.0	16.2		ug/L		81	52 - 129
2,4-Dichlorophenol	20.0	17.6		ug/L		88	53 - 122
2,4-Dinitrophenol	20.0	22.4		ug/L		112	1 - 173
2,6-Dichlorophenol	20.0	17.7		ug/L		88	50 - 120
2-Chloronaphthalene	20.0	16.3		ug/L		81	65 - 120
2-Chlorophenol	20.0	16.3		ug/L		81	36 - 120
2-Methylnaphthalene	20.0	15.0		ug/L		75	43 - 120
2-Methylphenol	20.0	14.9		ug/L		74	46 - 120
2-Nitroaniline	20.0	16.0		ug/L		80	51 - 125
2-Nitrophenol	20.0	18.9		ug/L		94	45 - 167
3/4-Methylphenol	40.0	27.7		ug/L		69	29 - 120
3-Nitroaniline	20.0	4.46	J *	ug/L		22	62 - 129
4,6-Dinitro-2-methylphenol	20.0	21.1		ug/L		106	53 - 130
4-Bromophenyl phenyl ether	20.0	16.2		ug/L		81	65 - 120
4-Chloro-3-methylphenol	20.0	18.2		ug/L		91	41 - 128
4-Chloroaniline	20.0	2.32	J *	ug/L		12	51 - 120
4-Chlorophenyl phenyl ether	20.0	16.6		ug/L		83	38 - 145
4-Nitroaniline	20.0	9.47	*	ug/L		47	64 - 129
4-Nitrophenol	20.0	9.58		ug/L		48	13 - 129
Acenaphthene	20.0	15.2		ug/L		76	60 - 132
Acenaphthylene	20.0	15.1		ug/L		75	54 - 126
Aniline	20.0	<0.072	*	ug/L		0	52 - 121
Anthracene	20.0	15.8		ug/L		79	43 - 120
Benzidine	20.0	<1.4	*	ug/L		3	20 - 164
Benzo[a]anthracene	20.0	16.8		ug/L		84	42 - 133
Benzo[a]pyrene	20.0	16.3		ug/L		82	32 - 148
Benzo[b]fluoranthene	20.0	16.9		ug/L		84	42 - 140
Benzo[g,h,i]perylene	20.0	16.6		ug/L		83	1 - 195
Benzo[k]fluoranthene	20.0	16.5		ug/L		82	25 - 146
Benzoic acid	20.0	10.2		ug/L		51	20 - 120
Benzyl alcohol	20.0	18.2		ug/L		91	44 - 122
Bis(2-chloroethoxy)methane	20.0	15.5		ug/L		78	49 - 165
Bis(2-chloroethyl)ether	20.0	15.1		ug/L		76	43 - 126
bis (2-Chloroisopropyl) ether	20.0	15.3		ug/L		77	63 - 139

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCS 570-771081/2-A

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	20.0	16.2		ug/L		81	44 - 140
Dibenz(a,h)anthracene	20.0	17.7		ug/L		88	1 - 200
Dibenzofuran	20.0	15.7		ug/L		79	48 - 120
Fluoranthene	20.0	17.0		ug/L		85	43 - 121
Fluorene	20.0	15.8		ug/L		79	70 - 120
Hexachloroethane	20.0	14.4		ug/L		72	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	17.5		ug/L		87	1 - 151
Naphthalene	20.0	15.1		ug/L		75	36 - 120
Nitrobenzene	20.0	15.5		ug/L		78	54 - 158
N-Nitrosodi-n-propylamine	20.0	15.4		ug/L		77	14 - 198
N-Nitrosodiphenylamine	20.0	18.2		ug/L		91	65 - 133
Pentachlorophenol	20.0	13.3		ug/L		67	38 - 152
Phenanthrene	20.0	16.0		ug/L		80	65 - 120
Phenol	20.0	7.91		ug/L		40	17 - 120
Pyrene	20.0	16.3		ug/L		82	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	93		28 - 127
2-Fluorobiphenyl (Surr)	71		31 - 120
2-Fluorophenol (Surr)	55		17 - 120
Nitrobenzene-d5 (Surr)	74		27 - 120
Phenol-d6 (Surr)	38		10 - 120
p-Terphenyl-d14 (Surr)	82		45 - 120

Lab Sample ID: LCSD 570-771081/3-A

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	15.0		ug/L		75	47 - 120	11	20
2,4,5-Trichlorophenol	20.0	18.2		ug/L		91	57 - 120	3	20
2,4,6-Trichlorophenol	20.0	17.0		ug/L		85	52 - 129	5	35
2,4-Dichlorophenol	20.0	15.6		ug/L		78	53 - 122	12	30
2,4-Dinitrophenol	20.0	20.9		ug/L		105	1 - 173	7	79
2,6-Dichlorophenol	20.0	15.3		ug/L		77	50 - 120	14	20
2-Chloronaphthalene	20.0	17.0		ug/L		85	65 - 120	4	15
2-Chlorophenol	20.0	17.0		ug/L		85	36 - 120	4	37
2-Methylnaphthalene	20.0	13.6		ug/L		68	43 - 120	10	20
2-Methylphenol	20.0	15.7		ug/L		79	46 - 120	6	20
2-Nitroaniline	20.0	17.7		ug/L		89	51 - 125	10	20
2-Nitrophenol	20.0	16.9		ug/L		84	45 - 167	11	33
3/4-Methylphenol	40.0	29.5		ug/L		74	29 - 120	6	20
3-Nitroaniline	20.0	16.9	*1	ug/L		85	62 - 129	117	20
4,6-Dinitro-2-methylphenol	20.0	21.0		ug/L		105	53 - 130	1	122
4-Bromophenyl phenyl ether	20.0	16.0		ug/L		80	65 - 120	1	26
4-Chloro-3-methylphenol	20.0	16.3		ug/L		81	41 - 128	11	44
4-Chloroaniline	20.0	9.91	*- *1	ug/L		50	51 - 120	124	20
4-Chlorophenyl phenyl ether	20.0	17.5		ug/L		87	38 - 145	5	36

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCSD 570-771081/3-A

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	20.0	18.8	*1	ug/L		94	64 - 129	66	20
4-Nitrophenol	20.0	8.58		ug/L		43	13 - 129	11	79
Acenaphthene	20.0	15.7		ug/L		79	60 - 132	4	29
Acenaphthylene	20.0	15.9		ug/L		79	54 - 126	5	45
Aniline	20.0	5.61	*- *1	ug/L		28	52 - 121	200	21
Anthracene	20.0	16.1		ug/L		81	43 - 120	2	40
Benzidine	20.0	<1.4	*-	ug/L		3	20 - 164	7	30
Benzo[a]anthracene	20.0	16.7		ug/L		84	42 - 133	1	32
Benzo[a]pyrene	20.0	16.7		ug/L		84	32 - 148	2	43
Benzo[b]fluoranthene	20.0	17.1		ug/L		85	42 - 140	1	43
Benzo[g,h,i]perylene	20.0	16.3		ug/L		81	1 - 195	2	61
Benzo[k]fluoranthene	20.0	16.4		ug/L		82	25 - 146	1	38
Benzoic acid	20.0	9.02	J	ug/L		45	20 - 120	13	30
Benzyl alcohol	20.0	15.3		ug/L		77	44 - 122	17	20
Bis(2-chloroethoxy)methane	20.0	14.6		ug/L		73	49 - 165	6	32
Bis(2-chloroethyl)ether	20.0	15.7		ug/L		78	43 - 126	4	65
bis (2-Chloroisopropyl) ether	20.0	15.8		ug/L		79	63 - 139	3	46
Chrysene	20.0	16.1		ug/L		81	44 - 140	1	53
Dibenz(a,h)anthracene	20.0	17.2		ug/L		86	1 - 200	3	75
Dibenzofuran	20.0	16.9		ug/L		84	48 - 120	7	20
Fluoranthene	20.0	17.3		ug/L		87	43 - 121	2	40
Fluorene	20.0	16.6		ug/L		83	70 - 120	5	23
Hexachloroethane	20.0	14.3		ug/L		71	55 - 120	1	32
Indeno[1,2,3-cd]pyrene	20.0	17.2		ug/L		86	1 - 151	2	60
Naphthalene	20.0	12.9		ug/L		65	36 - 120	15	39
Nitrobenzene	20.0	13.7		ug/L		69	54 - 158	12	37
N-Nitrosodi-n-propylamine	20.0	16.0		ug/L		80	14 - 198	4	52
N-Nitrosodiphenylamine	20.0	19.7		ug/L		98	65 - 133	7	20
Pentachlorophenol	20.0	12.8		ug/L		64	38 - 152	4	52
Phenanthrene	20.0	16.0		ug/L		80	65 - 120	0	24
Phenol	20.0	8.45		ug/L		42	17 - 120	7	39
Pyrene	20.0	16.2		ug/L		81	70 - 120	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	91		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	59		17 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	81		45 - 120

Lab Sample ID: 570-287619-C-2-A MS

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20	F1 F2	20.1	16.0		ug/L		80	36 - 120
2,4,5-Trichlorophenol	<5.1	F1 F2	20.1	16.9		ug/L		84	21 - 145

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 570-287619-C-2-A MS

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	<1.0	F1 F2	20.1	15.4		ug/L		76	37 - 144
2,4-Dichlorophenol	<1.0	F1 F2	20.1	17.4		ug/L		86	39 - 135
2,4-Dinitrophenol	<5.1	F2	20.1	23.3		ug/L		116	1 - 191
2,6-Dichlorophenol	<5.1	F1 F2	20.1	17.1		ug/L		85	24 - 134
2-Chloronaphthalene	<0.20	F1 F2	20.1	14.0		ug/L		69	60 - 120
2-Chlorophenol	<0.20	F1 F2	20.1	15.7		ug/L		78	23 - 143
2-Methylnaphthalene	<0.20	F1 F2	20.1	14.0		ug/L		70	32 - 124
2-Methylphenol	<1.0	F1	20.1	<1.0	F1	ug/L		0	10 - 135
2-Nitroaniline	<5.1	F1 F2	20.1	8.54		ug/L		42	10 - 147
2-Nitrophenol	<5.1	F1	20.1	18.0		ug/L		89	29 - 182
3/4-Methylphenol	<2.0	F1 F2	40.3	2.46	F1	ug/L		6	10 - 118
3-Nitroaniline	<5.1	F1 *- *1	20.1	<5.0	F1	ug/L		0	10 - 153
4,6-Dinitro-2-methylphenol	<5.1		20.1	22.2		ug/L		110	1 - 181
4-Bromophenyl phenyl ether	<0.20	F1 F2	20.1	15.6		ug/L		77	53 - 127
4-Chloro-3-methylphenol	<1.0	F1 F2	20.1	10.5		ug/L		52	22 - 147
4-Chloroaniline	<5.1	F1 *- *1	20.1	<5.0	F1	ug/L		0	10 - 131
4-Chlorophenyl phenyl ether	<0.20	F1 F2	20.1	15.7		ug/L		78	25 - 158
4-Nitroaniline	<5.1	F1 *- *1	20.1	<5.0	F1	ug/L		8	10 - 180
4-Nitrophenol	<5.1	F1 F2	20.1	8.87		ug/L		37	1 - 132
Acenaphthene	<0.20	F1 F2	20.1	2.06	F1	ug/L		10	47 - 145
Acenaphthylene	<0.20	F1	20.1	0.616	F1	ug/L		3	33 - 145
Aniline	2.6	F1 *- *1	20.1	2.77	F1	ug/L		0.9	10 - 113
Anthracene	<0.20	F1	20.1	<0.20	F1	ug/L		0	27 - 133
Benzidine	<5.1	F1 *-	20.1	<5.0	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.20	F1	20.1	2.23	F1	ug/L		11	33 - 143
Benzo[a]pyrene	<0.20	F1	20.1	<0.20	F1	ug/L		0	17 - 163
Benzo[b]fluoranthene	<0.20	F1 F2	20.1	14.6		ug/L		73	24 - 159
Benzo[g,h,i]perylene	<0.20	F2	20.1	6.78		ug/L		34	1 - 219
Benzo[k]fluoranthene	<0.20	F1 F2	20.1	13.3		ug/L		66	11 - 162
Benzoic acid	<10	F1 F2	20.1	10.4		ug/L		52	10 - 97
Benzyl alcohol	<1.0	F1 F2	20.1	16.1		ug/L		80	10 - 122
Bis(2-chloroethoxy)methane	<0.20	F1 F2	20.1	15.4		ug/L		77	33 - 184
Bis(2-chloroethyl)ether	0.34	F1 F2	20.1	13.9		ug/L		67	12 - 158
bis (2-Chloroisopropyl) ether	<0.20	F1 F2	20.1	14.4		ug/L		72	36 - 166
Chrysene	<0.20	F1 F2	20.1	14.3		ug/L		71	17 - 168
Dibenz(a,h)anthracene	<0.20	F2	20.1	14.8		ug/L		73	1 - 227
Dibenzofuran	<0.20	F1 F2	20.1	15.4		ug/L		76	42 - 111
Fluoranthene	<0.20	F1 F2	20.1	16.5		ug/L		82	26 - 137
Fluorene	<0.20	F1 F2	20.1	14.9		ug/L		74	59 - 121
Hexachloroethane	<0.20	F1 F2	20.1	13.0		ug/L		65	40 - 120
Indeno[1,2,3-cd]pyrene	<0.20	F2	20.1	14.6		ug/L		73	1 - 171
Naphthalene	<0.20	F1 F2	20.1	15.0		ug/L		75	21 - 133
Nitrobenzene	<0.20	F1 F2	20.1	15.0		ug/L		75	35 - 180
N-Nitrosodi-n-propylamine	<0.20	F2	20.1	15.5		ug/L		77	1 - 230
N-Nitrosodiphenylamine	<0.20	F1	20.1	<0.20	F1	ug/L		0	10 - 179
Pentachlorophenol	<1.0	F1 F2	20.1	16.2		ug/L		80	14 - 176
Phenanthrene	<0.20	F1 F2	20.1	15.4		ug/L		76	54 - 120
Phenol	<1.0	F1 F2	20.1	1.61		ug/L		8	5 - 120
Pyrene	<0.20	F1 F2	20.1	7.07	F1	ug/L		35	52 - 120

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	90		28 - 127
2-Fluorobiphenyl (Surr)	67		31 - 120
2-Fluorophenol (Surr)	44		17 - 120
Nitrobenzene-d5 (Surr)	68		27 - 120
Phenol-d6 (Surr)	2	S1-	10 - 120
p-Terphenyl-d14 (Surr)	69		45 - 120

Lab Sample ID: 570-287619-C-2-B MSD

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.20	F1 F2	19.9	1.85	F1 F2	ug/L		9	36 - 120	159	30
2,4,5-Trichlorophenol	<5.1	F1 F2	19.9	<5.0	F1 F2	ug/L		9	21 - 145	161	30
2,4,6-Trichlorophenol	<1.0	F1 F2	19.9	1.70	F1 F2	ug/L		9	37 - 144	160	58
2,4-Dichlorophenol	<1.0	F1 F2	19.9	1.84	F1 F2	ug/L		9	39 - 135	162	50
2,4-Dinitrophenol	<5.1	F2	19.9	<5.0	F2	ug/L		15	1 - 191	154	132
2,6-Dichlorophenol	<5.1	F1 F2	19.9	<5.0	F1 F2	ug/L		9	24 - 134	161	30
2-Chloronaphthalene	<0.20	F1 F2	19.9	1.57	F1 F2	ug/L		8	60 - 120	160	24
2-Chlorophenol	<0.20	F1 F2	19.9	1.69	F1 F2	ug/L		9	23 - 143	161	61
2-Methylnaphthalene	<0.20	F1 F2	19.9	1.59	F1 F2	ug/L		8	32 - 124	159	30
2-Methylphenol	<1.0	F1	19.9	<1.0	F1	ug/L		2	10 - 135	NC	30
2-Nitroaniline	<5.1	F1 F2	19.9	<5.0	F1 F2	ug/L		8	10 - 147	140	30
2-Nitrophenol	<5.1	F1	19.9	<5.0	F1	ug/L		0	29 - 182	NC	55
3/4-Methylphenol	<2.0	F1 F2	39.8	<2.0	F1 F2	ug/L		2	10 - 118	108	30
3-Nitroaniline	<5.1	F1 *- *1	19.9	<5.0	F1	ug/L		6	10 - 153	NC	30
4,6-Dinitro-2-methylphenol	<5.1		19.9	<5.0		ug/L		17	1 - 181	146	203
4-Bromophenyl phenyl ether	<0.20	F1 F2	19.9	1.90	F1 F2	ug/L		10	53 - 127	156	43
4-Chloro-3-methylphenol	<1.0	F1 F2	19.9	1.50	F1 F2	ug/L		8	22 - 147	150	73
4-Chloroaniline	<5.1	F1 *- *1	19.9	<5.0	F1	ug/L		0	10 - 131	NC	30
4-Chlorophenyl phenyl ether	<0.20	F1 F2	19.9	1.94	F1 F2	ug/L		10	25 - 158	156	61
4-Nitroaniline	<5.1	F1 *- *1	19.9	<5.0	F1	ug/L		8	10 - 180	0	30
4-Nitrophenol	<5.1	F1 F2	19.9	<5.0	F2	ug/L		1	1 - 132	134	131
Acenaphthene	<0.20	F1 F2	19.9	0.630	F1 F2	ug/L		3	47 - 145	106	48
Acenaphthylene	<0.20	F1	19.9	0.397	F1	ug/L		2	33 - 145	43	74
Aniline	2.6	F1 *- *1	19.9	<0.20	F1	ug/L		0	10 - 113	NC	30
Anthracene	<0.20	F1	19.9	1.03	F1	ug/L		5	27 - 133	NC	66
Benzidine	<5.1	F1 *-	19.9	<5.0	F1	ug/L		0	10 - 57	NC	30
Benzo[a]anthracene	<0.20	F1	19.9	1.57	F1	ug/L		8	33 - 143	35	53
Benzo[a]pyrene	<0.20	F1	19.9	1.36	F1	ug/L		7	17 - 163	NC	72
Benzo[b]fluoranthene	<0.20	F1 F2	19.9	1.70	F1 F2	ug/L		9	24 - 159	158	71
Benzo[g,h,i]perylene	<0.20	F2	19.9	1.73	F2	ug/L		9	1 - 219	119	97
Benzo[k]fluoranthene	<0.20	F1 F2	19.9	1.69	F1 F2	ug/L		8	11 - 162	155	63
Benzoic acid	<10	F1 F2	19.9	<10	F1 F2	ug/L		8	10 - 97	145	30
Benzyl alcohol	<1.0	F1 F2	19.9	1.48	F1 F2	ug/L		7	10 - 122	166	30
Bis(2-chloroethoxy)methane	<0.20	F1 F2	19.9	1.86	F1 F2	ug/L		9	33 - 184	157	54
Bis(2-chloroethyl)ether	0.34	F1 F2	19.9	1.62	F1 F2	ug/L		6	12 - 158	158	108
bis (2-Chloroisopropyl) ether	<0.20	F1 F2	19.9	1.74	F1 F2	ug/L		9	36 - 166	157	76
Chrysene	<0.20	F1 F2	19.9	1.69	F1 F2	ug/L		8	17 - 168	158	87
Dibenz(a,h)anthracene	<0.20	F2	19.9	1.85	F2	ug/L		9	1 - 227	155	126
Dibenzofuran	<0.20	F1 F2	19.9	1.76	F1 F2	ug/L		9	42 - 111	159	30

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 570-287619-C-2-B MSD

Matrix: Water

Analysis Batch: 772963

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 771081

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene	<0.20	F1 F2	19.9	1.90	F1 F2	ug/L		10	26 - 137	159	66
Fluorene	<0.20	F1 F2	19.9	1.82	F1 F2	ug/L		9	59 - 121	156	38
Hexachloroethane	<0.20	F1 F2	19.9	1.61	F1 F2	ug/L		8	40 - 120	156	52
Indeno[1,2,3-cd]pyrene	<0.20	F2	19.9	1.77	F2	ug/L		9	1 - 171	157	99
Naphthalene	<0.20	F1 F2	19.9	1.69	F1 F2	ug/L		8	21 - 133	160	65
Nitrobenzene	<0.20	F1 F2	19.9	1.73	F1 F2	ug/L		9	35 - 180	159	62
N-Nitrosodi-n-propylamine	<0.20	F2	19.9	1.91	F2	ug/L		10	1 - 230	156	87
N-Nitrosodiphenylamine	<0.20	F1	19.9	1.48	F1	ug/L		7	10 - 179	NC	30
Pentachlorophenol	<1.0	F1 F2	19.9	1.51	F1 F2	ug/L		8	14 - 176	166	86
Phenanthrene	<0.20	F1 F2	19.9	1.68	F1 F2	ug/L		8	54 - 120	160	39
Phenol	<1.0	F1 F2	19.9	<1.0	F1 F2	ug/L		2	5 - 120	121	64
Pyrene	<0.20	F1 F2	19.9	1.53	F1 F2	ug/L		8	52 - 120	129	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	10	S1-	28 - 127
2-Fluorobiphenyl (Surr)	8	S1-	31 - 120
2-Fluorophenol (Surr)	5	S1-	17 - 120
Nitrobenzene-d5 (Surr)	8	S1-	27 - 120
Phenol-d6 (Surr)	0.6	S1-	10 - 120
p-Terphenyl-d14 (Surr)	8	S1-	45 - 120

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

Lab Sample ID: MB 570-773807/6

Matrix: Water

Analysis Batch: 773807

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/24/26 12:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		38 - 134				07/24/26 12:18	1

Lab Sample ID: LCS 570-773807/3

Matrix: Water

Analysis Batch: 773807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (C4-C13)			400	360		ug/L		90	78 - 120		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		38 - 134								

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCSD 570-773807/4

Matrix: Water

Analysis Batch: 773807

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			400	381		ug/L		95	78 - 120	6	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		38 - 134								

Lab Sample ID: MRL 570-773807/5

Matrix: Water

Analysis Batch: 773807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	12.4		ug/L		124	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits								
4-Bromofluorobenzene (Surr)	83		38 - 134								

Lab Sample ID: 380-225006-C-1 MS

Matrix: Water

Analysis Batch: 773807

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	358		ug/L		89	68 - 122		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		38 - 134								

Lab Sample ID: 380-225006-C-1 MSD

Matrix: Water

Analysis Batch: 773807

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	374		ug/L		94	68 - 122	5	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		38 - 134								

Lab Sample ID: MB 570-774669/6

Matrix: Water

Analysis Batch: 774669

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			07/27/26 10:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		38 - 134				07/27/26 10:28	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCS 570-774669/3

Matrix: Water

Analysis Batch: 774669

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	357		ug/L		89	78 - 120		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
4-Bromofluorobenzene (Surr)		69		38 - 134							

Lab Sample ID: LCSD 570-774669/4

Matrix: Water

Analysis Batch: 774669

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			400	374		ug/L		94	78 - 120	5	10
Surrogate		LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)		94		38 - 134							

Lab Sample ID: MRL 570-774669/5

Matrix: Water

Analysis Batch: 774669

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	13.3		ug/L		133	50 - 150		
Surrogate		MRL %Recovery	MRL Qualifier	Limits							
4-Bromofluorobenzene (Surr)		103		38 - 134							

Lab Sample ID: 380-226428-C-1 MS

Matrix: Water

Analysis Batch: 774669

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	360		ug/L		90	68 - 122		
Surrogate		MS %Recovery	MS Qualifier	Limits							
4-Bromofluorobenzene (Surr)		104		38 - 134							

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

Matrix: Water

Analysis Batch: 774669

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	381		ug/L		95	68 - 122	6	18

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-226428-D-1 MSD
Matrix: Water
Analysis Batch: 774669

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		38 - 134

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

Lab Sample ID: MBL 380-240970/4-A
Matrix: Water
Analysis Batch: 241219

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240970

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		07/20/26 15:32	07/20/26 18:29	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		07/20/26 15:32	07/20/26 18:29	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		07/20/26 15:32	07/20/26 18:29	1
Surrogate	MBL %Recovery	MBL Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	96		60 - 140			07/20/26 15:32	07/20/26 18:29	1

Lab Sample ID: LCS 380-240970/30-A
Matrix: Water
Analysis Batch: 241219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	1.25	1.26		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	0.250	0.244		ug/L		98	70 - 130
1,2-Dibromoethane	0.250	0.246		ug/L		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dibromopropane (Surr)	86		60 - 140				

Lab Sample ID: MRL 380-240970/2-A
Matrix: Water
Analysis Batch: 241219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240970

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0200	0.0181	J	ug/L		91	60 - 140
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dibromopropane (Surr)	90		60 - 140				

Lab Sample ID: MRL 380-240970/3-A
Matrix: Water
Analysis Batch: 241219

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240970

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0500	0.0492		ug/L		98	60 - 140
1,2-Dibromo-3-Chloropropane	0.0100	0.00870	J	ug/L		87	60 - 140
1,2-Dibromoethane	0.0100	0.00903	J	ug/L		90	60 - 140

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MRL 380-240970/3-A

Matrix: Water

Analysis Batch: 241219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 240970

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

Lab Sample ID: 380-225725-J-1-A MS

Matrix: Water

Analysis Batch: 241219

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 240970

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2,3-Trichloropropane	<0.020		1.24	1.18		ug/L		95	65 - 135	
1,2-Dibromo-3-Chloropropane	<0.0098		0.248	0.227		ug/L		92	65 - 135	
1,2-Dibromoethane	<0.0098		0.248	0.228		ug/L		92	65 - 135	
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dibromopropane (Surr)	92		60 - 140							

Lab Sample ID: 380-225633-H-1-A DU

Matrix: Water

Analysis Batch: 241219

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 240970

	Sample	Sample		DU	DU				RPD	
Analyte	Result	Qualifier		Result	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	%Recovery	Qualifier	Limits							
1,2-Dibromopropane (Surr)	89		60 - 140							

Lab Sample ID: MBL 380-241625/4-A

Matrix: Water

Analysis Batch: 241865

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 241625

	MBL	MBL								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		07/22/26 16:09	07/22/26 18:41	1		
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		07/22/26 16:09	07/22/26 18:41	1		
1,2-Dibromoethane	<0.0040		0.010	ug/L		07/22/26 16:09	07/22/26 18:41	1		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1,2-Dibromopropane (Surr)	112		60 - 140			07/22/26 16:09	07/22/26 18:41	1		

Lab Sample ID: LCS 380-241625/34-A

Matrix: Water

Analysis Batch: 241865

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241625

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
1,2,3-Trichloropropane	1.25	1.29		ug/L		103	70 - 130		
1,2-Dibromo-3-Chloropropane	0.250	0.261		ug/L		104	70 - 130		
1,2-Dibromoethane	0.250	0.254		ug/L		102	70 - 130		

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCS 380-241625/34-A
Matrix: Water
Analysis Batch: 241865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241625

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dibromopropane (Surr)	101		60 - 140

Lab Sample ID: MRL 380-241625/2-A
Matrix: Water
Analysis Batch: 241865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241625

			Spike	MRL	MRL				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2,3-Trichloropropane			0.0200	0.0193	J	ug/L		97	60 - 140	
Surrogate		MRL	MRL							
1,2-Dibromopropane (Surr)		%Recovery	Qualifier	Limits						
		107		60 - 140						

Lab Sample ID: MRL 380-241625/3-A
Matrix: Water
Analysis Batch: 241865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 241625

			Spike	MRL	MRL				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2,3-Trichloropropane			0.0500	0.0477		ug/L		95	60 - 140	
1,2-Dibromo-3-Chloropropane			0.0100	0.0105		ug/L		105	60 - 140	
1,2-Dibromoethane			0.0100	0.00967	J	ug/L		97	60 - 140	
Surrogate		MRL	MRL							
1,2-Dibromopropane (Surr)		%Recovery	Qualifier	Limits						
		107		60 - 140						

Lab Sample ID: 380-226130-C-1-A MS
Matrix: Water
Analysis Batch: 241865

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 241625

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,2,3-Trichloropropane	<0.020		1.22	1.25		ug/L		102	65 - 135	
1,2-Dibromo-3-Chloropropane	<0.0098		0.245	0.263		ug/L		107	65 - 135	
1,2-Dibromoethane	<0.0098		0.245	0.244		ug/L		100	65 - 135	
Surrogate		MS	MS							
1,2-Dibromopropane (Surr)		%Recovery	Qualifier	Limits						
		105		60 - 140						

Lab Sample ID: 380-226396-J-1-A DU
Matrix: Water
Analysis Batch: 241865

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 241625

	Sample	Sample		DU	DU				RPD	
Analyte	Result	Qualifier		Result	Qualifier	Unit	D		RPD	Limit
1,2,3-Trichloropropane	<0.020			<0.019		ug/L			NC	20
1,2-Dibromo-3-Chloropropane	<0.0098			<0.0097		ug/L			NC	20
1,2-Dibromoethane	<0.0098			<0.0097		ug/L			NC	20
Surrogate		DU	DU							
1,2-Dibromopropane (Surr)		%Recovery	Qualifier	Limits						
		109		60 - 140						

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-241221/3-A

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 241221

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		07/21/26 13:34	07/21/26 16:01	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 16:01	1
PCB-1016	<0.070		0.070	ug/L		07/21/26 13:34	07/21/26 16:01	1
PCB-1221	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 16:01	1
PCB-1232	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 16:01	1
PCB-1242	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 16:01	1
PCB-1248	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 16:01	1
PCB-1254	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 16:01	1
PCB-1260	<0.070		0.070	ug/L		07/21/26 13:34	07/21/26 16:01	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		07/21/26 13:34	07/21/26 16:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		70 - 130	07/21/26 13:34	07/21/26 16:01	1

Lab Sample ID: LCS 380-241221/28-A

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	2.50	2.41		ug/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	116		70 - 130

Lab Sample ID: LCS 380-241221/30-A

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	0.500	0.489		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	118		70 - 130

Lab Sample ID: LCS 380-241221/31-A

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1248	0.500	0.507		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	110		70 - 130

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCSD 380-241221/29-A

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 241221

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toxaphene			2.50	2.46		ug/L		98	70 - 130	2	20
Surrogate	%Recovery	LCSD Qualifier	Limits								
Tetrachloro-m-xylene	109		70 - 130								

Lab Sample ID: MRL 380-241221/1-A

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241221

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene			0.500	0.540		ug/L		108	50 - 150		
Surrogate	%Recovery	MRL Qualifier	Limits								
Tetrachloro-m-xylene	119		70 - 130								

Lab Sample ID: MRL 380-241221/2-A

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 241221

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)			0.100	0.0978	J	ug/L		98	50 - 150		
Surrogate	%Recovery	MRL Qualifier	Limits								
Tetrachloro-m-xylene	114		70 - 130								

Lab Sample ID: 380-225528-B-1-A MS

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 241221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Toxaphene	<0.49		2.42	2.59		ug/L		107	65 - 135		
Surrogate	%Recovery	MS Qualifier	Limits								
Tetrachloro-m-xylene	115		70 - 130								

Lab Sample ID: 380-225528-C-1-A MS

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 241221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chlordane (n.o.s.)	<0.098		0.487	0.496		ug/L		102	65 - 135		
Surrogate	%Recovery	MS Qualifier	Limits								
Tetrachloro-m-xylene	120		70 - 130								

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225859-BG-1-A MS

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 241221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.51		2.56	2.73		ug/L		107	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	100		70 - 130						

Lab Sample ID: 380-225859-BI-1-A MS

Matrix: Water

Analysis Batch: 241847

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 241221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.499	0.503		ug/L		101	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
Tetrachloro-m-xylene	110		70 - 130						

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

Lab Sample ID: MB 570-771057/1-A

Matrix: Water

Analysis Batch: 775020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 771057

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		07/19/26 09:03	07/27/26 18:15	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		07/19/26 09:03	07/27/26 18:15	1
C8-C18	<25		25	ug/L		07/19/26 09:03	07/27/26 18:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	110		60 - 130			07/19/26 09:03	07/27/26 18:15	1

Lab Sample ID: LCS 570-771057/2-A

Matrix: Water

Analysis Batch: 775020

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 771057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1460		ug/L		92	56 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	108		60 - 130				

Lab Sample ID: LCSD 570-771057/3-A

Matrix: Water

Analysis Batch: 775020

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 771057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1300		ug/L		81	56 - 127	12	23

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCSD 570-771057/3-A
Matrix: Water
Analysis Batch: 775020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 771057

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
n-Octacosane (Surr)	110		60 - 130

Lab Sample ID: MRL 570-771057/4-A
Matrix: Water
Analysis Batch: 775508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 771057

		Spike	MRL	MRL					%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28		0.0200	0.0311	^3+	mg/L		155	50 - 150		
Surrogate										
	MRL	MRL								
	%Recovery	Qualifier	Limits							
n-Octacosane (Surr)	112		60 - 130							

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

Lab Sample ID: MB 570-772824/3
Matrix: Water
Analysis Batch: 772824

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

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Ethanol	<0.10		0.10	mg/L			07/22/26 17:32	1		
Surrogate										
	MB	MB								
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
Hexafluoro-2-propanol (Surr)	100		52 - 149				07/22/26 17:32	1		

Lab Sample ID: LCS 570-772824/5
Matrix: Water
Analysis Batch: 772824

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

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethanol		2.00	2.22		mg/L		111	59 - 153	
Surrogate									
	LCS	LCS							
	%Recovery	Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	101		52 - 149						

Lab Sample ID: LCSD 570-772824/6
Matrix: Water
Analysis Batch: 772824

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

		Spike	LCSD	LCSD				%Rec		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Ethanol		2.00	2.02		mg/L		101	59 - 153	9	30	
Surrogate											
	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	101		52 - 149								

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MRL 570-772824/4
Matrix: Water
Analysis Batch: 772824

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	0.0929	J	mg/L		93	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
Hexafluoro-2-propanol (Surr)	5		52 - 149				

Lab Sample ID: 380-225354-1 MS
Matrix: Drinking Water
Analysis Batch: 772824

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
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	2.09		mg/L		105	61 - 150		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	77		52 - 149								

Lab Sample ID: 380-225354-1 MSD
Matrix: Drinking Water
Analysis Batch: 772824

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethanol	<0.10		2.00	2.15		mg/L		107	61 - 150	2	36
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	83		52 - 149								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-240389/4
Matrix: Water
Analysis Batch: 240389

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050	mg/L			07/16/26 08:50	1
Nitrite as N	<0.050		0.050	mg/L			07/16/26 08:50	1

Lab Sample ID: LCS 380-240389/6
Matrix: Water
Analysis Batch: 240389

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	2.59		mg/L		104	90 - 110
Nitrite as N	1.00	1.02		mg/L		102	90 - 110

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 380-240389/7

Matrix: Water

Analysis Batch: 240389

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	2.55		mg/L		102	90 - 110	2	20
Nitrite as N	1.00	0.998		mg/L		100	90 - 110	2	20

Lab Sample ID: MRL 380-240389/5

Matrix: Water

Analysis Batch: 240389

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
Nitrate as N	0.0500	0.0492	J	mg/L		98	50 - 150		
Nitrite as N	0.0500	0.0472	J	mg/L		94	50 - 150		

Lab Sample ID: 380-224970-N-1 MS

Matrix: Water

Analysis Batch: 240389

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
Nitrate as N	<0.25		6.25	6.84		mg/L		109	80 - 120		
Nitrite as N	<0.25		2.50	2.54		mg/L		102	80 - 120		

Lab Sample ID: 380-224970-N-1 MSD

Matrix: Water

Analysis Batch: 240389

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	<0.25		6.25	6.72		mg/L		108	80 - 120	2	20
Nitrite as N	<0.25		2.50	2.52		mg/L		101	80 - 120	1	20

Lab Sample ID: 380-225138-A-16 MS

Matrix: Water

Analysis Batch: 240389

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
Nitrate as N	0.12		2.50	2.82		mg/L		108	80 - 120		
Nitrite as N	<0.10		1.00	0.976		mg/L		98	80 - 120		

Lab Sample ID: 380-225138-A-16 MSD

Matrix: Water

Analysis Batch: 240389

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	0.12		2.50	2.85		mg/L		109	80 - 120	1	20
Nitrite as N	<0.10		1.00	0.985		mg/L		98	80 - 120	1	20

Lab Sample ID: MB 380-240390/4

Matrix: Water

Analysis Batch: 240390

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50	mg/L			07/16/26 08:50	1
Sulfate	<0.25		0.25	mg/L			07/16/26 08:50	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 380-240390/6

Matrix: Water

Analysis Batch: 240390

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.6		mg/L		102	90 - 110
Sulfate	50.0	49.1		mg/L		98	90 - 110

Lab Sample ID: LCSD 380-240390/7

Matrix: Water

Analysis Batch: 240390

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	25.1		mg/L		100	90 - 110	2	20
Sulfate	50.0	48.9		mg/L		98	90 - 110	0	20

Lab Sample ID: MRL 380-240390/5

Matrix: Water

Analysis Batch: 240390

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	0.430	J	mg/L		86	50 - 150
Sulfate	0.250	0.230	J	mg/L		92	50 - 150

Lab Sample ID: 380-224970-N-1 MS

Matrix: Water

Analysis Batch: 240390

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	260	E	62.5	320	E 4	mg/L		95	80 - 120
Sulfate	2.8		125	130		mg/L		101	80 - 120

Lab Sample ID: 380-224970-N-1 MSD

Matrix: Water

Analysis Batch: 240390

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	260	E	62.5	319	E 4	mg/L		93	80 - 120	0	20
Sulfate	2.8		125	128		mg/L		101	80 - 120	1	20

Lab Sample ID: 380-225138-A-16 MS

Matrix: Water

Analysis Batch: 240390

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	110	E	25.0	130	E 4	mg/L		94	80 - 120
Sulfate	210	E	50.0	262	E 4	mg/L		97	80 - 120

Lab Sample ID: 380-225138-A-16 MSD

Matrix: Water

Analysis Batch: 240390

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	110	E	25.0	131	E 4	mg/L		96	80 - 120	0	20
Sulfate	210	E	50.0	263	E 4	mg/L		98	80 - 120	0	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-241073/6
Matrix: Water
Analysis Batch: 241073

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			07/21/26 11:24	1

Lab Sample ID: LCS 380-241073/7
Matrix: Water
Analysis Batch: 241073

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	97.5		ug/L		97	90 - 110

Lab Sample ID: LCSD 380-241073/8
Matrix: Water
Analysis Batch: 241073

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	100	97.3		ug/L		97	90 - 110	0	10

Lab Sample ID: MRL 380-241073/5
Matrix: Water
Analysis Batch: 241073

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	4.16	J	ug/L		83	75 - 125

Lab Sample ID: 380-225296-A-2 MS
Matrix: Water
Analysis Batch: 241073

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	48	F1	50.0	108		ug/L		120	80 - 120

Lab Sample ID: 380-225296-A-2 MSD
Matrix: Water
Analysis Batch: 241073

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	48	F1	50.0	109	F1	ug/L		122	80 - 120	1	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-240918/21
Matrix: Water
Analysis Batch: 240918

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.031		0.10	mg/L			07/17/26 11:42	1
Magnesium	0.0257	J B	0.10	mg/L			07/17/26 11:42	1
Potassium	<0.044		0.20	mg/L			07/17/26 11:42	1
Sodium	<0.019		0.10	mg/L			07/17/26 11:42	1

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LCS 380-240918/23

Matrix: Water

Analysis Batch: 240918

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	51.1		mg/L		102	85 - 115
Magnesium	20.0	20.0		mg/L		100	85 - 115
Potassium	20.0	19.8		mg/L		99	85 - 115
Sodium	50.0	48.9		mg/L		98	85 - 115

Lab Sample ID: LCSD 380-240918/24

Matrix: Water

Analysis Batch: 240918

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	51.6		mg/L		103	85 - 115	1	20
Magnesium	20.0	20.0		mg/L		100	85 - 115	0	20
Potassium	20.0	20.0		mg/L		100	85 - 115	1	20
Sodium	50.0	49.4		mg/L		99	85 - 115	1	20

Lab Sample ID: LLCS 380-240918/22

Matrix: Water

Analysis Batch: 240918

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	0.108		mg/L		108	50 - 150
Magnesium	0.100	0.0964	J	mg/L		96	50 - 150
Potassium	0.100	0.0896	J	mg/L		90	50 - 150
Sodium	0.100	0.0911	J	mg/L		91	50 - 150

Lab Sample ID: 380-225333-D-2 MS

Matrix: Water

Analysis Batch: 240918

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	170		50.0	216		mg/L		101	70 - 130
Magnesium	38	^2 B	20.0	57.2		mg/L		98	70 - 130
Potassium	3.3		20.0	22.6		mg/L		97	70 - 130
Sodium	100		50.0	151		mg/L		94	70 - 130

Lab Sample ID: 380-225333-D-2 MSD

Matrix: Water

Analysis Batch: 240918

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	170		50.0	209		mg/L		87	70 - 130	3	20
Magnesium	38	^2 B	20.0	55.4		mg/L		89	70 - 130	3	20
Potassium	3.3		20.0	21.9		mg/L		93	70 - 130	3	20
Sodium	100		50.0	147		mg/L		86	70 - 130	3	20

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-240711/79

Matrix: Water

Analysis Batch: 240711

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.48		1.0	ug/L			07/17/26 13:21	1
Arsenic	<0.25		1.0	ug/L			07/17/26 13:21	1
Beryllium	<0.12		0.30	ug/L			07/17/26 13:21	1
Cadmium	<0.081		0.50	ug/L			07/17/26 13:21	1
Chromium	<0.33		0.90	ug/L			07/17/26 13:21	1
Copper	<0.28		1.0	ug/L			07/17/26 13:21	1
Lead	<0.084		0.50	ug/L			07/17/26 13:21	1
Nickel	<0.38		5.0	ug/L			07/17/26 13:21	1
Selenium	<0.25		2.0	ug/L			07/17/26 13:21	1
Silver	<0.30		0.50	ug/L			07/17/26 13:21	1
Thallium	<0.10		0.30	ug/L			07/17/26 13:21	1
Zinc	<1.3		5.0	ug/L			07/17/26 13:21	1

Lab Sample ID: LCS 380-240711/81

Matrix: Water

Analysis Batch: 240711

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	52.1		ug/L		104	85 - 115
Arsenic	50.0	52.1		ug/L		104	85 - 115
Beryllium	50.0	50.9		ug/L		102	85 - 115
Cadmium	50.0	51.3		ug/L		103	85 - 115
Chromium	50.0	50.0		ug/L		100	85 - 115
Copper	50.0	50.9		ug/L		102	85 - 115
Lead	50.0	52.1		ug/L		104	85 - 115
Nickel	50.0	49.0		ug/L		98	85 - 115
Selenium	50.0	49.7		ug/L		99	85 - 115
Silver	50.0	51.6		ug/L		103	85 - 115
Thallium	50.0	51.9		ug/L		104	85 - 115
Zinc	50.0	49.9		ug/L		100	85 - 115

Lab Sample ID: LCSD 380-240711/82

Matrix: Water

Analysis Batch: 240711

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	51.8		ug/L		104	85 - 115	1	20
Arsenic	50.0	51.9		ug/L		104	85 - 115	0	20
Beryllium	50.0	50.6		ug/L		101	85 - 115	1	20
Cadmium	50.0	51.0		ug/L		102	85 - 115	1	20
Chromium	50.0	49.4		ug/L		99	85 - 115	1	20
Copper	50.0	50.7		ug/L		101	85 - 115	0	20
Lead	50.0	51.8		ug/L		104	85 - 115	0	20
Nickel	50.0	48.7		ug/L		97	85 - 115	1	20
Selenium	50.0	49.3		ug/L		99	85 - 115	1	20
Silver	50.0	51.1		ug/L		102	85 - 115	1	20
Thallium	50.0	51.7		ug/L		103	85 - 115	0	20
Zinc	50.0	49.5		ug/L		99	85 - 115	1	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: LLCS 380-240711/80
Matrix: Water
Analysis Batch: 240711

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	1.12		ug/L		112	50 - 150
Arsenic	1.00	1.26		ug/L		126	50 - 150
Beryllium	0.300	0.303		ug/L		101	50 - 150
Cadmium	0.500	0.512		ug/L		102	50 - 150
Chromium	0.900	1.08		ug/L		120	50 - 150
Copper	1.00	1.06		ug/L		106	50 - 150
Lead	0.500	0.538		ug/L		108	50 - 150
Nickel	1.00	1.01	J	ug/L		101	50 - 150
Selenium	2.00	2.02		ug/L		101	50 - 150
Silver	0.500	0.524		ug/L		105	50 - 150
Thallium	0.300	0.320		ug/L		107	50 - 150
Zinc	5.00	5.25		ug/L		105	50 - 150

Lab Sample ID: 380-225323-A-12 MS
Matrix: Water
Analysis Batch: 240711

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	57.2		ug/L		114	70 - 130
Arsenic	<1.0		50.0	57.2		ug/L		113	70 - 130
Beryllium	<0.30		50.0	47.5		ug/L		95	70 - 130
Cadmium	<0.50		50.0	50.7		ug/L		101	70 - 130
Chromium	<0.90		50.0	48.7		ug/L		97	70 - 130
Copper	2.7		50.0	47.6		ug/L		90	70 - 130
Lead	<0.50		50.0	48.2		ug/L		96	70 - 130
Nickel	<5.0		50.0	46.0		ug/L		89	70 - 130
Selenium	<2.0		50.0	58.5		ug/L		114	70 - 130
Silver	<0.50		50.0	44.9		ug/L		90	70 - 130
Thallium	<0.30		50.0	48.7		ug/L		97	70 - 130
Zinc	<5.0		50.0	49.5		ug/L		94	70 - 130

Lab Sample ID: 380-225323-A-12 MSD
Matrix: Water
Analysis Batch: 240711

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	58.2		ug/L		116	70 - 130	2	20
Arsenic	<1.0		50.0	58.4		ug/L		115	70 - 130	2	20
Beryllium	<0.30		50.0	48.4		ug/L		97	70 - 130	2	20
Cadmium	<0.50		50.0	51.5		ug/L		103	70 - 130	2	20
Chromium	<0.90		50.0	49.7		ug/L		99	70 - 130	2	20
Copper	2.7		50.0	48.3		ug/L		91	70 - 130	1	20
Lead	<0.50		50.0	48.5		ug/L		97	70 - 130	1	20
Nickel	<5.0		50.0	46.9		ug/L		90	70 - 130	2	20
Selenium	<2.0		50.0	60.0		ug/L		117	70 - 130	3	20
Silver	<0.50		50.0	43.0		ug/L		86	70 - 130	4	20
Thallium	<0.30		50.0	49.4		ug/L		99	70 - 130	1	20
Zinc	<5.0		50.0	50.2		ug/L		95	70 - 130	2	20

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-240712/46
Matrix: Water
Analysis Batch: 240712

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	ug/L			07/17/26 11:58	1

Lab Sample ID: MBL 380-240712/79
Matrix: Water
Analysis Batch: 240712

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	ug/L			07/17/26 13:21	1

Lab Sample ID: LCS 380-240712/48
Matrix: Water
Analysis Batch: 240712

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.03		ug/L		103	85 - 115

Lab Sample ID: LCS 380-240712/81
Matrix: Water
Analysis Batch: 240712

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.05		ug/L		105	85 - 115

Lab Sample ID: LCSD 380-240712/49
Matrix: Water
Analysis Batch: 240712

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	1.00		ug/L		100	85 - 115	3	20

Lab Sample ID: LCSD 380-240712/82
Matrix: Water
Analysis Batch: 240712

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 380-240712/47
Matrix: Water
Analysis Batch: 240712

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	0.209		ug/L		105	50 - 150

Lab Sample ID: LLCS 380-240712/80
Matrix: Water
Analysis Batch: 240712

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	0.193	J	ug/L		97	50 - 150

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: 380-225192-A-4 MS

Matrix: Water

Analysis Batch: 240712

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		1.00	1.21		ug/L		121	70 - 130

Lab Sample ID: 380-225192-A-4 MSD

Matrix: Water

Analysis Batch: 240712

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	1.08		ug/L		108	70 - 130	11	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-240923/1

Matrix: Water

Analysis Batch: 240923

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<2.0		2.0	mg/L			07/17/26 23:55	1
Bicarbonate Alkalinity as CaCO3	<2.0		2.0	mg/L			07/17/26 23:55	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	mg/L			07/17/26 23:55	1

Lab Sample ID: LCS 380-240923/3

Matrix: Water

Analysis Batch: 240923

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	93.0		mg/L		93	90 - 110

Lab Sample ID: LCSD 380-240923/18

Matrix: Water

Analysis Batch: 240923

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	93.0		mg/L		93	90 - 110	0	20

Lab Sample ID: LLCS 380-240923/4

Matrix: Water

Analysis Batch: 240923

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	20.0	20.7		mg/L		104	90 - 110

Lab Sample ID: MRL 380-240923/2

Matrix: Water

Analysis Batch: 240923

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	2.00	1.72	J	mg/L		86	50 - 150

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 380-225133-U-1 MS

Matrix: Water

Analysis Batch: 240923

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	160	F1	100	213	F1	mg/L		49	80 - 120

Lab Sample ID: 380-225133-U-1 MSD

Matrix: Water

Analysis Batch: 240923

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	160	F1	100	215	F1	mg/L		51	80 - 120	1	20

Lab Sample ID: 380-225133-U-1 DU

Matrix: Water

Analysis Batch: 240923

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	160	F1	165		mg/L		0.5	20
Bicarbonate Alkalinity as CaCO3	160		165		mg/L		0.5	20
Carbonate Alkalinity as CaCO3	<2.0		<2.0		mg/L		NC	20

Lab Sample ID: MB 380-241211/1

Matrix: Water

Analysis Batch: 241211

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<2.0		2.0	mg/L			07/20/26 17:47	1
Bicarbonate Alkalinity as CaCO3	<2.0		2.0	mg/L			07/20/26 17:47	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	mg/L			07/20/26 17:47	1

Lab Sample ID: LCS 380-241211/3

Matrix: Water

Analysis Batch: 241211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	92.9		mg/L		93	90 - 110

Lab Sample ID: LCSD 380-241211/19

Matrix: Water

Analysis Batch: 241211

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	93.8		mg/L		94	90 - 110	1	20

Lab Sample ID: LLCS 380-241211/5

Matrix: Water

Analysis Batch: 241211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	20.0	20.7		mg/L		104	90 - 110

Eurofins Pomona

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MRL 380-241211/2
Matrix: Water
Analysis Batch: 241211

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	2.00	1.70	J	mg/L		85	50 - 150

Lab Sample ID: 380-225547-N-1 MS
Matrix: Water
Analysis Batch: 241211

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	160		100	251		mg/L		94	80 - 120

Lab Sample ID: 380-225547-N-1 MSD
Matrix: Water
Analysis Batch: 241211

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	160		100	253		mg/L		95	80 - 120	1	20

Lab Sample ID: 380-225547-N-1 DU
Matrix: Water
Analysis Batch: 241211

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	160		157		mg/L		0.08	20
Bicarbonate Alkalinity as CaCO3	160		157		mg/L		0.08	20
Carbonate Alkalinity as CaCO3	<2.0		<2.0		mg/L		NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-240926/3
Matrix: Water
Analysis Batch: 240926

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<2.0		2.0	umhos/cm			07/17/26 23:55	1

Lab Sample ID: LCS 380-240926/5
Matrix: Water
Analysis Batch: 240926

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	983		umhos/cm		98	90 - 110

Lab Sample ID: LCSD 380-240926/17
Matrix: Water
Analysis Batch: 240926

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	972		umhos/cm		97	90 - 110	1	10

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QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MRL 380-240926/4
Matrix: Water
Analysis Batch: 240926

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	2.00	2.10		umhos/cm		105	50 - 150

Lab Sample ID: 380-225133-U-1 DU
Matrix: Water
Analysis Batch: 240926

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	1100	^2	1100		umhos/cm		0.07	20

Lab Sample ID: MB 380-241206/3
Matrix: Water
Analysis Batch: 241206

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<2.0		2.0	umhos/cm			07/20/26 17:47	1

Lab Sample ID: LCS 380-241206/5
Matrix: Water
Analysis Batch: 241206

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

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

Lab Sample ID: LCSD 380-241206/17
Matrix: Water
Analysis Batch: 241206

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	996		umhos/cm		100	90 - 110	1	10

Lab Sample ID: MRL 380-241206/4
Matrix: Water
Analysis Batch: 241206

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

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

Lab Sample ID: 380-225547-N-1 DU
Matrix: Water
Analysis Batch: 241206

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	500		504		umhos/cm		0	20

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: MB 380-240632/1
Matrix: Water
Analysis Batch: 240632

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	mg/L			07/17/26 13:03	1

Lab Sample ID: HLCS 380-240632/4
Matrix: Water
Analysis Batch: 240632

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

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	700	728		mg/L		104	80 - 114

Lab Sample ID: LCS 380-240632/3
Matrix: Water
Analysis Batch: 240632

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	175	160		mg/L		91	80 - 114

Lab Sample ID: MRL 380-240632/2
Matrix: Water
Analysis Batch: 240632

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

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

Lab Sample ID: 380-225369-L-1 DU
Matrix: Water
Analysis Batch: 240632

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	310		320		mg/L		3	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-241205/40
Matrix: Water
Analysis Batch: 241205

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.050		0.050	mg/L			07/20/26 21:45	1

Lab Sample ID: MB 380-241205/6
Matrix: Water
Analysis Batch: 241205

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.050		0.050	mg/L			07/20/26 19:26	1

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 380-241205/42

Matrix: Water

Analysis Batch: 241205

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	1.06		mg/L		106	90 - 110

Lab Sample ID: LCS 380-241205/8

Matrix: Water

Analysis Batch: 241205

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	1.07		mg/L		107	90 - 110

Lab Sample ID: LCSD 380-241205/43

Matrix: Water

Analysis Batch: 241205

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.00	0.977		mg/L		98	90 - 110	8	10

Lab Sample ID: LCSD 380-241205/9

Matrix: Water

Analysis Batch: 241205

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	1.02		mg/L		102	90 - 110	5	10

Lab Sample ID: MRL 380-241205/41

Matrix: Water

Analysis Batch: 241205

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	0.0519		mg/L		104	50 - 150

Lab Sample ID: MRL 380-241205/7

Matrix: Water

Analysis Batch: 241205

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: 380-225205-U-1 MS

Matrix: Water

Analysis Batch: 241205

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	0.084		1.00	1.11		mg/L		102	80 - 120

Lab Sample ID: 380-225205-U-1 MSD

Matrix: Water

Analysis Batch: 241205

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	0.084		1.00	1.12		mg/L		103	80 - 120	1	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: SM 4500 F C - Fluoride

Lab Sample ID: 380-225678-AK-1 MS
Matrix: Water
Analysis Batch: 241205

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	0.12		1.00	1.12		mg/L		100	80 - 120

Lab Sample ID: 380-225678-AK-1 MSD
Matrix: Water
Analysis Batch: 241205

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	0.12		1.00	1.12		mg/L		101	80 - 120	1	20

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-240929/5
Matrix: Water
Analysis Batch: 240929

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.7			SU			07/17/26 23:55	1

Lab Sample ID: LCS 380-240929/6
Matrix: Water
Analysis Batch: 240929

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 380-240929/18
Matrix: Water
Analysis Batch: 240929

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: 380-225133-U-1 DU
Matrix: Water
Analysis Batch: 240929

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.0		8.0		SU		0	2

Lab Sample ID: MB 380-241208/5
Matrix: Water
Analysis Batch: 241208

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.7			SU			07/20/26 17:47	1

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: LCS 380-241208/6
Matrix: Water
Analysis Batch: 241208

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 380-241208/18
Matrix: Water
Analysis Batch: 241208

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

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 380-241003/3
Matrix: Water
Analysis Batch: 241003

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.050		0.050	mg/L			07/20/26 14:38	1

Lab Sample ID: LCS 380-241003/5
Matrix: Water
Analysis Batch: 241003

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	0.234		mg/L		94	90 - 110

Lab Sample ID: LCSD 380-241003/6
Matrix: Water
Analysis Batch: 241003

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	0.239		mg/L		96	90 - 110	2	20

Lab Sample ID: MRL 380-241003/4
Matrix: Water
Analysis Batch: 241003

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	0.0459	J	mg/L		92	50 - 150

Lab Sample ID: 380-225383-H-1 MS
Matrix: Water
Analysis Batch: 241003

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.050	F1	0.250	<0.050	F1	mg/L		13	80 - 120

QC Sample Results

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

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

Lab Sample ID: 380-225383-H-1 MSD

Matrix: Water

Analysis Batch: 241003

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.050	F1	0.250	<0.050	F1	mg/L	—	15	80 - 120	16	20

QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

GC/MS VOA

Analysis Batch: 202770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	524.2	
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Total/NA	Water	524.2	
MB 810-202770/6	Method Blank	Total/NA	Water	524.2	
380-225354-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	524.2	
810-200676-B-3 DU	Duplicate	Total/NA	Water	524.2	

Analysis Batch: 202803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Total/NA	Water	524.2	
MB 810-202803/5	Method Blank	Total/NA	Water	524.2	
810-200625-C-5 MS	Matrix Spike	Total/NA	Water	524.2	
380-225607-C-1 DU	Duplicate	Total/NA	Water	524.2	

Analysis Batch: 203163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	524.2	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	

Analysis Batch: 203650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	524.2	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Total/NA	Water	524.2	
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Total/NA	Water	524.2	
MB 810-203650/4	Method Blank	Total/NA	Water	524.2	
380-225354-2 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	

GC/MS Semi VOA

Prep Batch: 241174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-241174/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-241174/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-241174/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-225354-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-225356-T-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 241568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	241174
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	241174
MB 380-241174/21-A	Method Blank	Total/NA	Water	525.2	241174
LCS 380-241174/23-A	Lab Control Sample	Total/NA	Water	525.2	241174
MRL 380-241174/22-A	Lab Control Sample	Total/NA	Water	525.2	241174
380-225354-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	241174
380-225356-T-1-A DU	Duplicate	Total/NA	Water	525.2	241174

Eurofins Pomona

QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

GC/MS Semi VOA

Prep Batch: 771023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
MB 570-771023/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-771023/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-771023/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-225006-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-225006-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Prep Batch: 771081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-771081/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-771081/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-771081/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
570-287619-C-2-A MS	Matrix Spike	Total/NA	Water	625.1	
570-287619-C-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 771785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-771023/1-A	Method Blank	Total/NA	Water	625.1 SIM	771023
LCS 570-771023/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	771023
LCSD 570-771023/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	771023

Analysis Batch: 772960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	771023
380-225006-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	771023
380-225006-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	771023

Analysis Batch: 772963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	771081
MB 570-771081/1-A	Method Blank	Total/NA	Water	625.1 SIM	771081
LCS 570-771081/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	771081
LCSD 570-771081/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	771081
570-287619-C-2-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	771081
570-287619-C-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	771081

Analysis Batch: 775065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	771023
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	771081
MB 570-771023/1-A	Method Blank	Total/NA	Water	625.1	771023
MB 570-771081/1-A	Method Blank	Total/NA	Water	625.1	771081

GC VOA

Analysis Batch: 773807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Total/NA	Water	8015B GRO LL	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

GC VOA (Continued)

Analysis Batch: 773807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-773807/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-773807/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-773807/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-773807/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-225006-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-225006-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

Analysis Batch: 774669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
MB 570-774669/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-774669/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-774669/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-774669/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-226428-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-226428-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 240970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	504.1	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	504.1	
MBL 380-240970/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-240970/30-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-240970/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-240970/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-225725-J-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-225633-H-1-A DU	Duplicate	Total/NA	Water	504.1	

Analysis Batch: 241219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	504.1	240970
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	504.1	240970
MBL 380-240970/4-A	Method Blank	Total/NA	Water	504.1	240970
LCS 380-240970/30-A	Lab Control Sample	Total/NA	Water	504.1	240970
MRL 380-240970/2-A	Lab Control Sample	Total/NA	Water	504.1	240970
MRL 380-240970/3-A	Lab Control Sample	Total/NA	Water	504.1	240970
380-225725-J-1-A MS	Matrix Spike	Total/NA	Water	504.1	240970
380-225633-H-1-A DU	Duplicate	Total/NA	Water	504.1	240970

Prep Batch: 241221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	505	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	505	
MB 380-241221/3-A	Method Blank	Total/NA	Water	505	
LCS 380-241221/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-241221/30-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-241221/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-241221/29-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-241221/1-A	Lab Control Sample	Total/NA	Water	505	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

GC Semi VOA (Continued)

Prep Batch: 241221 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 380-241221/2-A	Lab Control Sample	Total/NA	Water	505	
380-225528-B-1-A MS	Matrix Spike	Total/NA	Water	505	
380-225528-C-1-A MS	Matrix Spike	Total/NA	Water	505	
380-225859-BG-1-A MS	Matrix Spike	Total/NA	Water	505	
380-225859-BI-1-A MS	Matrix Spike	Total/NA	Water	505	

Prep Batch: 241625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Total/NA	Water	504.1	
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Total/NA	Water	504.1	
MBL 380-241625/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-241625/34-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-241625/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-241625/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-226130-C-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-226396-J-1-A DU	Duplicate	Total/NA	Water	504.1	

Analysis Batch: 241847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	505	241221
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	505	241221
MB 380-241221/3-A	Method Blank	Total/NA	Water	505	241221
LCS 380-241221/28-A	Lab Control Sample	Total/NA	Water	505	241221
LCS 380-241221/30-A	Lab Control Sample	Total/NA	Water	505	241221
LCS 380-241221/31-A	Lab Control Sample	Total/NA	Water	505	241221
LCSD 380-241221/29-A	Lab Control Sample Dup	Total/NA	Water	505	241221
MRL 380-241221/1-A	Lab Control Sample	Total/NA	Water	505	241221
MRL 380-241221/2-A	Lab Control Sample	Total/NA	Water	505	241221
380-225528-B-1-A MS	Matrix Spike	Total/NA	Water	505	241221
380-225528-C-1-A MS	Matrix Spike	Total/NA	Water	505	241221
380-225859-BG-1-A MS	Matrix Spike	Total/NA	Water	505	241221
380-225859-BI-1-A MS	Matrix Spike	Total/NA	Water	505	241221

Analysis Batch: 241865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Total/NA	Water	504.1	241625
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Total/NA	Water	504.1	241625
MBL 380-241625/4-A	Method Blank	Total/NA	Water	504.1	241625
LCS 380-241625/34-A	Lab Control Sample	Total/NA	Water	504.1	241625
MRL 380-241625/2-A	Lab Control Sample	Total/NA	Water	504.1	241625
MRL 380-241625/3-A	Lab Control Sample	Total/NA	Water	504.1	241625
380-226130-C-1-A MS	Matrix Spike	Total/NA	Water	504.1	241625
380-226396-J-1-A DU	Duplicate	Total/NA	Water	504.1	241625

Prep Batch: 771057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-771057/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-771057/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-771057/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

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QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

GC Semi VOA (Continued)

Prep Batch: 771057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 570-771057/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 772824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	
MB 570-772824/3	Method Blank	Total/NA	Water	8015B	
LCS 570-772824/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-772824/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-772824/4	Lab Control Sample	Total/NA	Water	8015B	
380-225354-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	
380-225354-1 MSD	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	

Analysis Batch: 775020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-771057/1-A	Method Blank	Total/NA	Water	8015B	771057
LCS 570-771057/2-A	Lab Control Sample	Total/NA	Water	8015B	771057
LCSD 570-771057/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	771057

Analysis Batch: 775508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	771057
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	771057
MRL 570-771057/4-A	Lab Control Sample	Total/NA	Water	8015B	771057

HPLC/IC

Analysis Batch: 240389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	300.0	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-240389/4	Method Blank	Total/NA	Water	300.0	
LCS 380-240389/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-240389/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-240389/5	Lab Control Sample	Total/NA	Water	300.0	
380-224970-N-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-224970-N-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
380-225138-A-16 MS	Matrix Spike	Total/NA	Water	300.0	
380-225138-A-16 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 240390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	300.0	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-240390/4	Method Blank	Total/NA	Water	300.0	
LCS 380-240390/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-240390/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-240390/5	Lab Control Sample	Total/NA	Water	300.0	
380-224970-N-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-224970-N-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
380-225138-A-16 MS	Matrix Spike	Total/NA	Water	300.0	

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QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

HPLC/IC (Continued)

Analysis Batch: 240390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225138-A-16 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 241073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	300.0	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-241073/6	Method Blank	Total/NA	Water	300.0	
LCS 380-241073/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-241073/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-241073/5	Lab Control Sample	Total/NA	Water	300.0	
380-225296-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
380-225296-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 240711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	200.8	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	200.8	
MBL 380-240711/79	Method Blank	Total/NA	Water	200.8	
LCS 380-240711/81	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-240711/82	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-240711/80	Lab Control Sample	Total/NA	Water	200.8	
380-225323-A-12 MS	Matrix Spike	Total/NA	Water	200.8	
380-225323-A-12 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 240712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	200.8	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	200.8	
MBL 380-240712/46	Method Blank	Total/NA	Water	200.8	
MBL 380-240712/79	Method Blank	Total/NA	Water	200.8	
LCS 380-240712/48	Lab Control Sample	Total/NA	Water	200.8	
LCS 380-240712/81	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-240712/49	Lab Control Sample Dup	Total/NA	Water	200.8	
LCSD 380-240712/82	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-240712/47	Lab Control Sample	Total/NA	Water	200.8	
LLCS 380-240712/80	Lab Control Sample	Total/NA	Water	200.8	
380-225192-A-4 MS	Matrix Spike	Total/NA	Water	200.8	
380-225192-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 240918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	200.7 Rev 4.4	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	200.7 Rev 4.4	
MBL 380-240918/21	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-240918/23	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-240918/24	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-240918/22	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-225333-D-2 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-225333-D-2 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

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QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

General Chemistry

Analysis Batch: 240632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 2540C	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 2540C	
MB 380-240632/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-240632/4	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-240632/3	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-240632/2	Lab Control Sample	Total/NA	Water	SM 2540C	
380-225369-L-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 240923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 2320B	
MB 380-240923/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-240923/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-240923/18	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-240923/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-240923/2	Lab Control Sample	Total/NA	Water	SM 2320B	
380-225133-U-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-225133-U-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-225133-U-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 240926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 2510B	
MB 380-240926/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-240926/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-240926/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-240926/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-225133-U-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 240929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 4500 H+ B	
MB 380-240929/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-240929/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-240929/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-225133-U-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 241003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 4500 S2 D	
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 4500 S2 D	
MB 380-241003/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-241003/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-241003/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-241003/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-225383-H-1 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 D	
380-225383-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 241205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 4500 F C	

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QC Association Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

General Chemistry (Continued)

Analysis Batch: 241205 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 4500 F C	
MB 380-241205/40	Method Blank	Total/NA	Water	SM 4500 F C	
MB 380-241205/6	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-241205/42	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 380-241205/8	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-241205/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
LCSD 380-241205/9	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-241205/41	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 380-241205/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-225205-U-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-225205-U-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
380-225678-AK-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-225678-AK-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 241206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 2510B	
MB 380-241206/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-241206/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-241206/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-241206/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-225547-N-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 241208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 4500 H+ B	
MB 380-241208/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-241208/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-241208/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 241211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 2320B	
MB 380-241211/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-241211/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-241211/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-241211/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-241211/2	Lab Control Sample	Total/NA	Water	SM 2320B	
380-225547-N-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-225547-N-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-225547-N-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Lab Chronicle

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**

Lab Sample ID: 380-225354-1

Date Collected: 07/15/26 09:00

Matrix: Drinking Water

Date Received: 07/16/26 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	202770	AC	EA SB	07/22/26 17:59
Total/NA	Analysis	524.2		1	203163	JT	EA SB	07/22/26 17:59
Total/NA	Analysis	524.2		1	203650	DC	EA SB	07/28/26 11:43
Total/NA	Prep	525.2			241174	OTM3	EA POM	07/21/26 07:35
Total/NA	Analysis	525.2		1	241568	Q8LA	EA POM	07/22/26 14:27
Total/NA	Prep	625.1			771023	KLZQ	EET CAL 4	07/19/26 07:42
Total/NA	Analysis	625.1		1	775065	S4EA	EET CAL 4	07/28/26 02:52
Total/NA	Prep	625.1			771023	KLZQ	EET CAL 4	07/19/26 07:42
Total/NA	Analysis	625.1 SIM		1	772960	S4EA	EET CAL 4	07/23/26 08:18
Total/NA	Analysis	8015B GRO LL		1	773807	A9VE	EET CAL 4	07/24/26 22:05
Total/NA	Prep	504.1			240970	X5FS	EA POM	07/20/26 15:32 - 07/20/26 16:23 ¹
Total/NA	Analysis	504.1		1	241219	X5FS	EA POM	07/20/26 20:40
Total/NA	Prep	505			241221	DR5R	EA POM	07/21/26 13:34 - 07/21/26 14:33 ¹
Total/NA	Analysis	505		1	241847	DR5R	EA POM	07/21/26 18:10
Total/NA	Prep	3510C			771057	TVD6	EET CAL 4	07/19/26 09:04
Total/NA	Analysis	8015B		1	775508	TR8L	EET CAL 4	07/28/26 14:52
Total/NA	Analysis	8015B		1	772824	P2HW	EET CAL 4	07/22/26 19:43
Total/NA	Analysis	300.0		2	240389	BG6L	EA POM	07/16/26 16:58
Total/NA	Analysis	300.0		2	240390	BG6L	EA POM	07/16/26 16:58
Total/NA	Analysis	300.0		1	241073	UNJR	EA POM	07/21/26 21:09
Total/NA	Analysis	200.7 Rev 4.4		1	240918	MF7S	EA POM	07/17/26 12:33
Total/NA	Analysis	200.8		1	240711	T8BB	EA POM	07/17/26 14:34
Total/NA	Analysis	200.8		1	240712	T8BB	EA POM	07/17/26 14:34
Total/NA	Analysis	SM 2320B		1	241211	ZJ2C	EA POM	07/20/26 21:47
Total/NA	Analysis	SM 2510B		1	241206	ZJ2C	EA POM	07/20/26 21:47
Total/NA	Analysis	SM 2540C		1	240632	UL8Q	EA POM	07/17/26 13:03
Total/NA	Analysis	SM 4500 F C		1	241205	ZJ2C	EA POM	07/20/26 22:44
Total/NA	Analysis	SM 4500 H+ B		1	241208	ZJ2C	EA POM	07/20/26 21:47
Total/NA	Analysis	SM 4500 S2 D		1	241003	N9HH	EA POM	07/20/26 14:38

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	203163	JT	EA SB	07/22/26 22:30
Total/NA	Analysis	524.2		1	202803	AC	EA SB	07/22/26 22:30
Total/NA	Analysis	524.2		1	203650	DC	EA SB	07/28/26 12:07
Total/NA	Prep	525.2			241174	OTM3	EA POM	07/21/26 07:35
Total/NA	Analysis	525.2		1	241568	Q8LA	EA POM	07/22/26 16:32

Eurofins Pomona

Lab Chronicle

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

**Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)**

Lab Sample ID: 380-225354-2

Date Collected: 07/15/26 09:30

Matrix: Drinking Water

Date Received: 07/16/26 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625.1			771081	KLZQ	EET CAL 4	07/19/26 11:06
Total/NA	Analysis	625.1		1	775065	S4EA	EET CAL 4	07/27/26 22:01
Total/NA	Prep	625.1			771081	KLZQ	EET CAL 4	07/19/26 11:06
Total/NA	Analysis	625.1 SIM		1	772963	S4EA	EET CAL 4	07/22/26 23:15
Total/NA	Analysis	8015B GRO LL		1	773807	A9VE	EET CAL 4	07/24/26 22:30
Total/NA	Prep	504.1			240970	X5FS	EA POM	07/20/26 15:32 - 07/20/26 16:23 ¹
Total/NA	Analysis	504.1		1	241219	X5FS	EA POM	07/20/26 21:01
Total/NA	Prep	505			241221	DR5R	EA POM	07/21/26 13:34 - 07/21/26 14:33 ¹
Total/NA	Analysis	505		1	241847	DR5R	EA POM	07/21/26 18:31
Total/NA	Prep	3510C			771057	TVD6	EET CAL 4	07/19/26 09:08
Total/NA	Analysis	8015B		1	775508	TR8L	EET CAL 4	07/28/26 15:13
Total/NA	Analysis	8015B		1	772824	P2HW	EET CAL 4	07/22/26 20:04
Total/NA	Analysis	300.0		2	240389	BG6L	EA POM	07/16/26 17:31
Total/NA	Analysis	300.0		2	240390	BG6L	EA POM	07/16/26 17:31
Total/NA	Analysis	300.0		1	241073	UNJR	EA POM	07/21/26 21:36
Total/NA	Analysis	200.7 Rev 4.4		1	240918	MF7S	EA POM	07/17/26 12:35
Total/NA	Analysis	200.8		1	240711	T8BB	EA POM	07/17/26 14:42
Total/NA	Analysis	200.8		1	240712	T8BB	EA POM	07/17/26 14:42
Total/NA	Analysis	SM 2320B		1	240923	ZJ2C	EA POM	07/18/26 03:35
Total/NA	Analysis	SM 2510B		1	240926	ZJ2C	EA POM	07/18/26 03:35
Total/NA	Analysis	SM 2540C		1	240632	UL8Q	EA POM	07/17/26 13:03
Total/NA	Analysis	SM 4500 F C		1	241205	ZJ2C	EA POM	07/20/26 20:07
Total/NA	Analysis	SM 4500 H+ B		1	240929	ZJ2C	EA POM	07/18/26 03:35
Total/NA	Analysis	SM 4500 S2 D		1	241003	N9HH	EA POM	07/20/26 14:38

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-225354-3

Date Collected: 07/15/26 09:00

Matrix: Water

Date Received: 07/16/26 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	202770	AC	EA SB	07/22/26 17:34
Total/NA	Analysis	524.2		1	203650	DC	EA SB	07/28/26 12:31
Total/NA	Analysis	8015B GRO LL		1	773807	A9VE	EET CAL 4	07/24/26 14:22
Total/NA	Prep	504.1			241625	X5FS	EA POM	07/22/26 16:09 - 07/22/26 16:59 ¹
Total/NA	Analysis	504.1		1	241865	X5FS	EA POM	07/23/26 04:03

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-225354-4

Date Collected: 07/15/26 09:30

Matrix: Water

Date Received: 07/16/26 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	202803	AC	EA SB	07/22/26 22:55

Eurofins Pomona

Lab Chronicle

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-225354-4

Date Collected: 07/15/26 09:30

Matrix: Water

Date Received: 07/16/26 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	203650	DC	EA SB	07/28/26 12:55
Total/NA	Analysis	8015B GRO LL		1	774669	7CF2	EET CAL 4	07/27/26 12:22
Total/NA	Prep	504.1			241625	X5FS	EA POM	07/22/26 16:09 - 07/22/26 16:59 ¹
Total/NA	Analysis	504.1		1	241865	X5FS	EA POM	07/23/26 03:42

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

EA SB = Eurofins South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

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: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *
The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
505	505	Drinking Water	Polychlorinated biphenyls, Total
525.2	525.2	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor
SM 2320B		Drinking Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Drinking Water	Carbonate Alkalinity as CaCO3
SM 4500 S2 D		Drinking Water	Sulfide

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27

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

Eurofins Pomona

Accreditation/Certification Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	08-20-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	08-25-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	07-28-26
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Laboratory: Eurofins South Bend

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	ISO/IEC 17025	5794.01	07-31-28
Alabama	State	40700	06-30-27
Alaska	State	IN00035	08-25-26
Arizona	State	AZ0432	07-27-27
Arkansas (DW)	State	EPA IN00035	06-30-27
California	State	2920	06-30-27
Colorado	State	IN00035	02-28-27
Connecticut	State	PH-0852	03-31-28
Delaware (DW)	State	IN00035	06-30-27
Florida	NELAP	E87775	06-30-27
Georgia (DW)	State	929	06-30-27
Guam	State	25-08R	07-15-27
Hawaii	State	IN00035	06-30-27
Idaho (DW)	State	IN00035	12-31-26
IL Dept. of Public Health (Micro)	State	17767	06-30-27
Illinois	NELAP	200001	08-09-26
Indiana	State	C-71-01	06-30-27
Indiana (Micro)	State	M-76-07	06-30-27
Iowa	State	098	11-01-27
Kansas	NELAP	E-10233	10-31-26
Kentucky (DW)	State	KY90056	12-31-26
Louisiana (DW)	State	LA014	12-31-26
Maine	State	IN00035	08-06-26
Maryland	State	209	09-30-27
Massachusetts	State	M-IN035	06-30-27
MI - RadChem Recognition	State	9926	06-30-27
Michigan	State	9926	06-30-27
Minnesota	NELAP	018-999-338	12-31-26
Mississippi	State	IN00035	09-07-26
Missouri	State	880	09-30-27
Montana (DW)	State	CERT0026	01-01-27

Eurofins Pomona

Accreditation/Certification Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Laboratory: Eurofins South Bend (Continued)

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

Authority	Program	Identification Number	Expiration Date
Nebraska	State	NE-OS-05-04	06-30-27
Nevada	State	IN00035	07-31-26
New Hampshire	NELAP	2124	09-02-26
New Jersey	NELAP	IN598	09-01-26
New Mexico	State	IN00035	06-30-27
New York	NELAP	11398	04-01-27
North Carolina (DW)	State	18700	07-31-27
North Dakota	State	R-035	06-30-26 *
Northern Mariana Islands (DW)	State	IN00035	06-30-27
Ohio	State	87775	06-30-27
Oklahoma	NELAP	D9508	12-31-26
Oregon	NELAP	4156	09-16-26
Pennsylvania	NELAP	68-00466	04-30-27
Puerto Rico	State	IN00035	04-01-27
Rhode Island	State	LAO00391	12-30-26
South Carolina	State	95005001	06-30-26 *
South Dakota (DW)	State	IN00035	06-30-27
Tennessee	State	TN02973	06-30-27
Texas	NELAP	T104704187	12-31-26
Texas	TCEQ Water Supply	TX207	10-07-26
Utah	NELAP	IN00035	07-31-26
Vermont	State	VT-8775	11-15-26
Virginia	NELAP	460275	08-18-26
Washington	State	C837	01-01-27
West Virginia (DW)	State	9927 C	08-03-26
Wisconsin	State	999766900	08-18-26
Wisconsin (Micro)	State	10121	12-31-26
Wyoming	State	8TMS-L	06-30-27

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

Eurofins Pomona

Method Summary

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

Job ID: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Method	Method Description	Protocol	Laboratory
524.2	Total Trihalomethanes	EPA-DW	EA SB
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA SB
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
EA SB = Eurofins South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777
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: 380-225354-1
SDG: Quarterly: Aiea Gulch Wells P1, P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-225354-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	07/15/26 09:00	07/16/26 09:52	Hawaii
380-225354-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	07/15/26 09:30	07/16/26 09:52	Hawaii
380-225354-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Water	07/15/26 09:00	07/16/26 09:52	Hawaii
380-225354-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Water	07/15/26 09:30	07/16/26 09:52	Hawaii

Environment Testing
America

Ver 01/16/2019 9/9/2026

Phone (626) 386 1100

Environment Testing
America

ORIGIN ID HIK
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

(808) 748-5840

SHIP DATE 15JUL26
ACTWGT 57.00 LB
CAD 258050552/INET4535

BILL RECIPIENT

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

POMONA CA 91768

(626) 386-1100

REF

INV
PO:

DEPT.



5 of 5

THU - 16 JUL 10:30A

MPS#

8744 4326 9326

PRIORITY OVERNIGHT

0263

Mstr# 8744 4326 9289

0201

WM ONTA

91768

CA-US

ONT



RECEIVED BY: [Signature] EEAP 07/16/26 09:52
(751A) 4.4' - 0.0' = 4.4' GEL FPOZEN

"AIEA GULCH WELLS PUMP 2 07/15/26 @ 09:30"

1X - ANIONS SENT UP

-GR 07/16/26

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

Environment Testing
America

Ver 01/16/2019 9/9/2026

Phone (626) 386 1100

Environment Testing
America

ORIGIN ID HIK
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

(808) 748-5840

SHIP DATE 15JUL26
ACTWGT 57.00 LB
CAD 258050552/INET4535

BILL RECIPIENT

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

POMONA CA 91768

(626) 386-1100

REF

INV

PO:

DEPT.



FedEx
Express



251123012301W

5 of 5

THU - 16 JUL 10:30A

PRIORITY OVERNIGHT

MPS#

8744 4326 9326

0263

Mstr# 8744 4326 9289

0201

WM ONTA

91768

CA-US

ONT



RECEIVED BY: [Signature] EEAP 07/16/26 09:52
(751A) 4.4' - 0.0' = 4.4' GULCH PUMP 2

"AIEA GULCH WELLS PUMP 2 07/15/26 @ 09:30"

1X - ANIONS SENT UP

-GR 07/16/26

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

Chain of Custody Record



Enviro

Loc: 380
225354

[illegible]

Eurofins Pomona

941 Corporate Center Drive
Pomona, CA 91766-2642
Phone: 626-386-1100

Chain of Custody Record



eurofins

Enviro

Loc: 380
225354

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Lopez, Maria		Carrier Tracking No(s): N/A		COC No: 380-358356.1																																									
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 #: 380-225354-1																																									
Address: 2841 Dow Avenue, Suite 100, Tustin, CA, 92780		Due Date Requested: 7/29/2026		Analysis Requested					Preservation Codes:																																								
City: Tustin		TAT Requested (days): N/A		<table border="1"> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>8015B, DAE Ethanol</th> <th>8015B, DRO, LL, CS/2510C, LLHML Ranges: C10-C24/C24-C36/C8-C18</th> <th>8015B, GRO, LL/6030C(MOD) GRO</th> <th>625.1, SIM/625, Prep(MOD) Extended List</th> <th>625.1/625, Prep(MOD) Tentatively Identified Compounds (Hold)</th> <th>Total Number of containers</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B, DAE Ethanol	8015B, DRO, LL, CS/2510C, LLHML Ranges: C10-C24/C24-C36/C8-C18	8015B, GRO, LL/6030C(MOD) GRO	625.1, SIM/625, Prep(MOD) Extended List	625.1/625, Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers																																	Other: N/A
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B, DAE Ethanol	8015B, DRO, LL, CS/2510C, LLHML Ranges: C10-C24/C24-C36/C8-C18						8015B, GRO, LL/6030C(MOD) GRO	625.1, SIM/625, Prep(MOD) Extended List	625.1/625, Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers																																					
Phone: 714-895-5494(Tel)		PO #: N/A																																															
Email: N/A		WO #: N/A																																															
Project Name: RED-HILL		Project #: 38001111																																															
Site: Honolulu BWS Sites		SSOW#: N/A																																															
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, G=soil/sediment, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B, DAE Ethanol	8015B, DRO, LL, CS/2510C, LLHML Ranges: C10-C24/C24-C36/C8-C18	8015B, GRO, LL/6030C(MOD) GRO	625.1, SIM/625, Prep(MOD) Extended List	625.1/625, Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:																																			
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-225354-1)		7/15/26	09:00 Hawaiian	G	Water			X	X	X	X	X	9	MRLs are needed. MRLs are needed. Confirm any hits >RL																																			
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-225354-2)		7/15/26	09:30 Hawaiian	G	Water			X	X	X	X	X	9	MRLs are needed. MRLs are needed. Confirm any hits >RL																																			
TB:AIEA GULCH WELLS P1 (331-201-TP071) (380-225354-3)		7/15/26	09:00 Hawaiian	G	Water					X			2	MRLs are needed. Confirm any hits >RL																																			
TB:AIEA GULCH WELLS P2 (331-202-TP072) (380-225354-4)		7/15/26	09:30 Hawaiian	G	Water					X			2	MRLs are needed. Confirm any hits >RL																																			

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-225354-1

SDG Number: Quarterly: Aiea Gulch Wells P1, P2

Login Number: 225354

List Number: 1

Creator: Ngo, Theodore

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	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: 380-225354-1

SDG Number: Quarterly: Aiea Gulch Wells P1, P2

Login Number: 225354

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 07/17/26 06:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-225354-1

SDG Number: Quarterly: Aiea Gulch Wells P1, P2

Login Number: 225354

List Number: 3

Creator: Trowbridge, Peyton

List Source: Eurofins South Bend

List Creation: 07/21/26 01:32 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by Eurofins	False	Client provided containers