

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Quarterly: Aiea Gulch Wells P1/P2

JOB NUMBER

380-177536-1

Eurofins Eaton Analytical Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Qualifiers

GC/MS VOA

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

GC/MS VOA TICs

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^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.

GC/MS Semi VOA TICs

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

GC VOA

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid

Definitions/Glossary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
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: 380-177536-1

Job ID: 380-177536-1

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Job Narrative 380-177536-1

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

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

Receipt

The samples were received on 10/16/2025 10:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.7°C, 3.0°C and 3.1°C.

GC/MS VOA

Method 524.2_Pres_PREC: Acetone detections in trip blanks are to be expected. The unused or unreacted dechlorinating reagent (ascorbic acid) reacts with the biocide (hydrochloric acid) over time to form Acetone: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-177536-4)

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

GC/MS Semi VOA

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

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

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

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

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

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

Gasoline Range Organics

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

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

Diesel Range Organics

Method 8015B_DRO_LL_CS: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD)

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Case Narrative

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

Job ID: 380-177536-1

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associated with preparation batch 570-642798. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method: 3510_LL

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

GC Semi VOA

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

Hydrocarbons

Method 8015B_DAI: The method reporting limit check (MRL) for analytical batch 570-643985 recovered outside control limits for the following analytes: Ethanol. This analyte was biased high in the MRL and was not detected in the associated samples; therefore, the data have been reported. AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-177536-1) and AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-177536-2).

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

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

Metals

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

General Chemistry

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

Detection Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)
PWSID Number: HI0000331

Lab Sample ID: 380-177536-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	230		5.0	ug/L	1		300.0	Total/NA
Chloride	90		1.0	mg/L	2		300.0	Total/NA
Nitrate as N	0.56		0.050	mg/L	1		300.0	Total/NA
Sulfate	13		0.25	mg/L	1		300.0	Total/NA
Calcium	19		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	16		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.2		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	31		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	2.8		0.90	ug/L	1		200.8	Total/NA
Copper	3.1		1.0	ug/L	1		200.8	Total/NA
Zinc	7.8		5.0	ug/L	1		200.8	Total/NA
Alkalinity	54		4.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	54		4.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	420		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	280		20	mg/L	1		SM 2540C	Total/NA
pH	7.9	HF		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)
PWSID Number: HI0000331

Lab Sample ID: 380-177536-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	140		5.0	ug/L	1		300.0	Total/NA
Chloride	78		1.0	mg/L	2		300.0	Total/NA
Nitrate as N	0.56		0.050	mg/L	1		300.0	Total/NA
Sulfate	12		0.25	mg/L	1		300.0	Total/NA
Calcium	18		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	15		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.1		0.10	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	2.8		0.90	ug/L	1		200.8	Total/NA
Copper	3.0		1.0	ug/L	1		200.8	Total/NA
Lead	0.51		0.50	ug/L	1		200.8	Total/NA
Alkalinity	54		4.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	54		4.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	400		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	280		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 PUMP 1
(331-201-TP071)

Lab Sample ID: 380-177536-3

No Detections.

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

Lab Sample ID: 380-177536-4

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

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: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/20/25 16:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/20/25 16:15	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 16:15	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/20/25 16:15	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/20/25 16:15	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/20/25 16:15	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 16:15	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/20/25 16:15	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/20/25 16:15	1
Acetone	<500		500	ug/L			10/20/25 16:15	1
Benzene	<0.50		0.50	ug/L			10/20/25 16:15	1
Bromobenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
Bromochloromethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Bromodichloromethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Bromoethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Bromoform	<0.50		0.50	ug/L			10/20/25 16:15	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/20/25 16:15	1
Carbon disulfide	<0.50		0.50	ug/L			10/20/25 16:15	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/20/25 16:15	1
Chlorobenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Chloroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/20/25 16:15	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/20/25 16:15	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 16:15	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 16:15	1
Dibromomethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Dichloromethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Diisopropyl ether	<3.0		3.0	ug/L			10/20/25 16:15	1
Ethylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/20/25 16:15	1
Isopropylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.50		0.50	ug/L			10/20/25 16:15	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/20/25 16:15	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/20/25 16:15	1
Naphthalene	<0.50		0.50	ug/L			10/20/25 16:15	1
n-Butylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
N-Propylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 16:15	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/20/25 16:15	1
o-Xylene	<0.50		0.50	ug/L			10/20/25 16:15	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 16:15	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/20/25 16:15	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/20/25 16:15	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
Styrene	<0.50		0.50	ug/L			10/20/25 16:15	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/20/25 16:15	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/20/25 16:15	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/20/25 16:15	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/20/25 16:15	1
Toluene	<0.50		0.50	ug/L			10/20/25 16:15	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 16:15	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 16:15	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/20/25 16:15	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/20/25 16:15	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/20/25 16:15	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/20/25 16:15	1
Xylenes, Total	<0.50		0.50	ug/L			10/20/25 16:15	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.55	T J	ug/L		9.02	N/A		10/20/25 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		10/20/25 16:15	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/20/25 16:15	1
Toluene-d8 (Surr)	100		70 - 130		10/20/25 16:15	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		10/20/25 16:15	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/20/25 16:15	1
Toluene-d8 (Surr)	100		70 - 130		10/20/25 16:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
2,4'-DDE	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
2,4'-DDT	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
2,4-Dinitrotoluene	<0.099	^+	0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
2,6-Dinitrotoluene	<0.099	^3+	0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
4,4'-DDD	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
4,4'-DDE	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
4,4'-DDT	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Acenaphthene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Acetochlor	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Alachlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
alpha-BHC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
alpha-Chlordane	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Anthracene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:53	1
Atrazine	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:53	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:53	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:53	1
beta-BHC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/22/25 09:06	10/23/25 13:53	1
Aldrin	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Bromacil	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Butachlor	<0.049	^3+	0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Butylbenzylphthalate	<0.49	^3+	0.49	ug/L		10/22/25 09:06	10/23/25 13:53	1
Chlorobenzilate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Chloroneb	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Chlorpyrifos	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Chrysene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:53	1
delta-BHC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/22/25 09:06	10/23/25 13:53	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Dieldrin	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Diethylphthalate	<0.49		0.49	ug/L		10/22/25 09:06	10/23/25 13:53	1
Dimethylphthalate	<0.49		0.49	ug/L		10/22/25 09:06	10/23/25 13:53	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		10/22/25 09:06	10/23/25 13:53	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Endosulfan sulfate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Endrin	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Endrin aldehyde	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
EPTC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Fluoranthene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Fluorene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
gamma-BHC (Lindane)	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:53	1
gamma-Chlordane	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Heptachlor	<0.0099	^3+	0.0099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Isophorone	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Malathion	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Methoxychlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Metolachlor	<0.049	^3+	0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Molinate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Naphthalene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Parathion	<0.099	^+	0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Phenanthrene	<0.040		0.040	ug/L		10/22/25 09:06	10/23/25 13:53	1
Propachlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Pyrene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Simazine	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Terbacil	<0.099	^3+	0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Terbutylazine	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Thiobencarb	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/22/25 09:06	10/23/25 13:53	1
trans-Nonachlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 13:53	1
Trifluralin	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
1-Methylnaphthalene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1
2-Methylnaphthalene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/22/25 09:06	10/23/25 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	104		70 - 130	10/22/25 09:06	10/23/25 13:53	1
Perylene-d12	85		70 - 130	10/22/25 09:06	10/23/25 13:53	1
Triphenylphosphate	105		70 - 130	10/22/25 09:06	10/23/25 13:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
2,4,5-Trichlorophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
2,4,6-Trichlorophenol	<0.97		0.97	ug/L		10/20/25 06:11	10/26/25 08:24	1
2,4-Dichlorophenol	<0.97		0.97	ug/L		10/20/25 06:11	10/26/25 08:24	1
2,4-Dinitrophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
2,6-Dichlorophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
2-Chloronaphthalene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
2-Chlorophenol	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
2-Methylnaphthalene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
2-Methylphenol	<0.97		0.97	ug/L		10/20/25 06:11	10/26/25 08:24	1
2-Nitroaniline	<4.9	*1	4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
2-Nitrophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
3/4-Methylphenol	<1.9		1.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
3-Nitroaniline	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
4,6-Dinitro-2-methylphenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
4-Bromophenyl phenyl ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
4-Chloro-3-methylphenol	<0.97		0.97	ug/L		10/20/25 06:11	10/26/25 08:24	1
4-Chloroaniline	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
4-Chlorophenyl phenyl ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
4-Nitrophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
Acenaphthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Acenaphthylene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Aniline	<0.19	*- *1	0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Anthracene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzidine	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzo[a]anthracene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzo[a]pyrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzoic acid	<9.7		9.7	ug/L		10/20/25 06:11	10/26/25 08:24	1
Benzyl alcohol	<0.97		0.97	ug/L		10/20/25 06:11	10/26/25 08:24	1
Bis(2-chloroethoxy)methane	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Bis(2-chloroethyl)ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
bis (2-Chloroisopropyl) ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Chrysene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Dibenzofuran	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Fluoranthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Fluorene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Hexachloroethane	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Naphthalene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Nitrobenzene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
N-Nitrosodi-n-propylamine	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
N-Nitrosodiphenylamine	<0.19	*- *1	0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Pentachlorophenol	<0.97		0.97	ug/L		10/20/25 06:11	10/26/25 08:24	1
Phenanthrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1
Phenol	<0.97		0.97	ug/L		10/20/25 06:11	10/26/25 08:24	1
Pyrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 08:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	71		28 - 127	10/20/25 06:11	10/26/25 08:24	1
2-Fluorobiphenyl (Surr)	65		31 - 120	10/20/25 06:11	10/26/25 08:24	1
2-Fluorophenol (Surr)	43		17 - 120	10/20/25 06:11	10/26/25 08:24	1
Nitrobenzene-d5 (Surr)	74		27 - 120	10/20/25 06:11	10/26/25 08:24	1
Phenol-d6 (Surr)	28		10 - 120	10/20/25 06:11	10/26/25 08:24	1
p-Terphenyl-d14 (Surr)	72		45 - 120	10/20/25 06:11	10/26/25 08:24	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	30	T J	ug/L		1.93	N/A	10/20/25 06:11	10/26/25 08:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		33 - 139	10/20/25 06:11	10/26/25 08:13	1
2-Fluorobiphenyl (Surr)	83		33 - 126	10/20/25 06:11	10/26/25 08:13	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	52		12 - 120	10/20/25 06:11	10/26/25 08:13	1
Nitrobenzene-d5 (Surr)	87		36 - 120	10/20/25 06:11	10/26/25 08:13	1
Phenol-d6 (Surr)	29		10 - 120	10/20/25 06:11	10/26/25 08:13	1
p-Terphenyl-d14 (Surr)	77		47 - 131	10/20/25 06:11	10/26/25 08:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/25/25 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		38 - 134		10/25/25 16:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		10/21/25 18:21	10/22/25 01:48	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		10/21/25 18:21	10/22/25 01:48	1
1,2-Dibromoethane	<0.010		0.010	ug/L		10/21/25 18:21	10/22/25 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	94		60 - 140	10/21/25 18:21	10/22/25 01:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		10/20/25 14:13	10/20/25 20:15	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:15	1
PCB-1016	<0.071		0.071	ug/L		10/20/25 14:13	10/20/25 20:15	1
PCB-1221	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:15	1
PCB-1232	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:15	1
PCB-1242	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:15	1
PCB-1248	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:15	1
PCB-1254	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:15	1
PCB-1260	<0.071		0.071	ug/L		10/20/25 14:13	10/20/25 20:15	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		70 - 130	10/20/25 14:13	10/20/25 20:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		10/19/25 10:24	10/27/25 00:42	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		10/19/25 10:24	10/27/25 00:42	1
C8-C18	<26		26	ug/L		10/19/25 10:24	10/27/25 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	103		60 - 130	10/19/25 10:24	10/27/25 00:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10	^3+	0.10	mg/L			10/21/25 22:02	1

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Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	103		54 - 120		10/21/25 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	230		5.0	ug/L			10/21/25 02:22	1
Chloride	90		1.0	mg/L			10/17/25 20:13	2
Nitrate as N	0.56		0.050	mg/L			10/16/25 12:58	1
Nitrite as N	<0.050		0.050	mg/L			10/16/25 12:58	1
Sulfate	13		0.25	mg/L			10/16/25 12:58	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	19		0.10	mg/L			10/20/25 14:26	1
Magnesium	16		0.10	mg/L			10/20/25 14:26	1
Potassium	2.2		0.10	mg/L			10/20/25 14:26	1
Sodium	31		0.10	mg/L			10/20/25 14:26	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L			10/22/25 17:54	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	ug/L			10/20/25 13:25	1
Arsenic	<1.0		1.0	ug/L			10/20/25 13:25	1
Beryllium	<0.30		0.30	ug/L			10/20/25 13:25	1
Cadmium	<0.50		0.50	ug/L			10/20/25 13:25	1
Chromium	2.8		0.90	ug/L			10/20/25 13:25	1
Copper	3.1		1.0	ug/L			10/20/25 13:25	1
Lead	<0.50		0.50	ug/L			10/20/25 13:25	1
Nickel	<1.0		1.0	ug/L			10/20/25 13:25	1
Selenium	<2.0		2.0	ug/L			10/20/25 13:25	1
Silver	<0.50		0.50	ug/L			10/20/25 13:25	1
Thallium	<0.30		0.30	ug/L			10/20/25 13:25	1
Zinc	7.8		5.0	ug/L			10/20/25 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	54		4.0	mg/L			10/20/25 18:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	54		4.0	mg/L			10/20/25 18:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0	mg/L			10/20/25 18:08	1
Specific Conductance (SM 2510B)	420		2.0	umhos/cm			10/20/25 18:08	1
Total Dissolved Solids (SM 2540C)	280		20	mg/L			10/20/25 16:00	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			10/21/25 21:06	1
pH (SM 4500 H+ B)	7.9	HF		SU			10/20/25 18:08	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			10/20/25 13:02	1

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/20/25 16:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/20/25 16:38	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 16:38	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/20/25 16:38	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/20/25 16:38	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/20/25 16:38	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 16:38	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/20/25 16:38	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/20/25 16:38	1
Acetone	<500		500	ug/L			10/20/25 16:38	1
Benzene	<0.50		0.50	ug/L			10/20/25 16:38	1
Bromobenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
Bromochloromethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Bromodichloromethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Bromoethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Bromoform	<0.50		0.50	ug/L			10/20/25 16:38	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/20/25 16:38	1
Carbon disulfide	<0.50		0.50	ug/L			10/20/25 16:38	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/20/25 16:38	1
Chlorobenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Chloroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/20/25 16:38	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/20/25 16:38	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 16:38	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 16:38	1
Dibromomethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Dichloromethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Diisopropyl ether	<3.0		3.0	ug/L			10/20/25 16:38	1
Ethylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/20/25 16:38	1
Isopropylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylenes	<0.50		0.50	ug/L			10/20/25 16:38	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/20/25 16:38	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/20/25 16:38	1
Naphthalene	<0.50		0.50	ug/L			10/20/25 16:38	1
n-Butylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
N-Propylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 16:38	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/20/25 16:38	1
o-Xylene	<0.50		0.50	ug/L			10/20/25 16:38	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 16:38	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/20/25 16:38	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/20/25 16:38	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
Styrene	<0.50		0.50	ug/L			10/20/25 16:38	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/20/25 16:38	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/20/25 16:38	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/20/25 16:38	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/20/25 16:38	1
Toluene	<0.50		0.50	ug/L			10/20/25 16:38	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 16:38	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 16:38	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/20/25 16:38	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/20/25 16:38	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/20/25 16:38	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/20/25 16:38	1
Xylenes, Total	<0.50		0.50	ug/L			10/20/25 16:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.57	T J	ug/L		2.24	N/A		10/20/25 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		10/20/25 16:38	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/20/25 16:38	1
Toluene-d8 (Surr)	100		70 - 130		10/20/25 16:38	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		10/20/25 16:38	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/20/25 16:38	1
Toluene-d8 (Surr)	100		70 - 130		10/20/25 16:38	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
2,4'-DDE	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
2,4'-DDT	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
2,4-Dinitrotoluene	<0.098	^+	0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
2,6-Dinitrotoluene	<0.098	^3+	0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
4,4'-DDD	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
4,4'-DDE	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
4,4'-DDT	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Acenaphthene	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Acetochlor	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Alachlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
alpha-BHC	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
alpha-Chlordane	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Anthracene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 14:55	1
Atrazine	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 14:55	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 14:55	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 14:55	1
beta-BHC	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/22/25 09:06	10/23/25 14:55	1
Aldrin	<0.0098		0.0098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Bromacil	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Butachlor	<0.049	^3+	0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Butylbenzylphthalate	<0.49	^3+	0.49	ug/L		10/22/25 09:06	10/23/25 14:55	1
Chlorobenzilate	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Chloroneb	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Chlorpyrifos	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Chrysene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 14:55	1
delta-BHC	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/22/25 09:06	10/23/25 14:55	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Dieldrin	<0.0098		0.0098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Diethylphthalate	<0.49		0.49	ug/L		10/22/25 09:06	10/23/25 14:55	1
Dimethylphthalate	<0.49		0.49	ug/L		10/22/25 09:06	10/23/25 14:55	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		10/22/25 09:06	10/23/25 14:55	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Endosulfan sulfate	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Endrin	<0.0098		0.0098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Endrin aldehyde	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
EPTC	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Fluoranthene	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Fluorene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		10/22/25 09:06	10/23/25 14:55	1
gamma-Chlordane	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Heptachlor	<0.0098	^3+	0.0098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Isophorone	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Malathion	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Methoxychlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Metolachlor	<0.049	^3+	0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Molinate	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Naphthalene	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Parathion	<0.098	^+	0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Phenanthrene	<0.039		0.039	ug/L		10/22/25 09:06	10/23/25 14:55	1
Propachlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Pyrene	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Simazine	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Terbacil	<0.098	^3+	0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Terbutylazine	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Thiobencarb	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/22/25 09:06	10/23/25 14:55	1
trans-Nonachlor	<0.049		0.049	ug/L		10/22/25 09:06	10/23/25 14:55	1
Trifluralin	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
1-Methylnaphthalene	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1
2-Methylnaphthalene	<0.098		0.098	ug/L		10/22/25 09:06	10/23/25 14:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/22/25 09:06	10/23/25 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	104		70 - 130	10/22/25 09:06	10/23/25 14:55	1
Perylene-d12	85		70 - 130	10/22/25 09:06	10/23/25 14:55	1
Triphenylphosphate	104		70 - 130	10/22/25 09:06	10/23/25 14:55	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		10/20/25 06:11	10/26/25 08:46	1
2,4,5-Trichlorophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
2,4,6-Trichlorophenol	<0.98		0.98	ug/L		10/20/25 06:11	10/26/25 08:46	1
2,4-Dichlorophenol	<0.98		0.98	ug/L		10/20/25 06:11	10/26/25 08:46	1
2,4-Dinitrophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
2,6-Dichlorophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
2-Chloronaphthalene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
2-Chlorophenol	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
2-Methylnaphthalene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
2-Methylphenol	<0.98		0.98	ug/L		10/20/25 06:11	10/26/25 08:46	1
2-Nitroaniline	<4.9	*1	4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
2-Nitrophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
3/4-Methylphenol	<2.0		2.0	ug/L		10/20/25 06:11	10/26/25 08:46	1
3-Nitroaniline	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
4,6-Dinitro-2-methylphenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
4-Chloro-3-methylphenol	<0.98		0.98	ug/L		10/20/25 06:11	10/26/25 08:46	1
4-Chloroaniline	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
4-Nitrophenol	<4.9		4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
Acenaphthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Acenaphthylene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Aniline	<0.20	*- *1	0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Anthracene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzidine	<4.9	*- *1	4.9	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzo[a]anthracene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzo[a]pyrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzoic acid	<9.8		9.8	ug/L		10/20/25 06:11	10/26/25 08:46	1
Benzyl alcohol	<0.98		0.98	ug/L		10/20/25 06:11	10/26/25 08:46	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Chrysene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Dibenzofuran	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Fluoranthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Fluorene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Hexachloroethane	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Naphthalene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Nitrobenzene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
N-Nitrosodiphenylamine	<0.20	*- *1	0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Pentachlorophenol	<0.98		0.98	ug/L		10/20/25 06:11	10/26/25 08:46	1
Phenanthrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1
Phenol	<0.98		0.98	ug/L		10/20/25 06:11	10/26/25 08:46	1
Pyrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 08:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		28 - 127	10/20/25 06:11	10/26/25 08:46	1
2-Fluorobiphenyl (Surr)	60		31 - 120	10/20/25 06:11	10/26/25 08:46	1
2-Fluorophenol (Surr)	40		17 - 120	10/20/25 06:11	10/26/25 08:46	1
Nitrobenzene-d5 (Surr)	65		27 - 120	10/20/25 06:11	10/26/25 08:46	1
Phenol-d6 (Surr)	26		10 - 120	10/20/25 06:11	10/26/25 08:46	1
p-Terphenyl-d14 (Surr)	71		45 - 120	10/20/25 06:11	10/26/25 08:46	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	10/20/25 06:11	10/26/25 08:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		33 - 139	10/20/25 06:11	10/26/25 08:37	1
2-Fluorobiphenyl (Surr)	78		33 - 126	10/20/25 06:11	10/26/25 08:37	1

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Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	50		12 - 120	10/20/25 06:11	10/26/25 08:37	1
Nitrobenzene-d5 (Surr)	77		36 - 120	10/20/25 06:11	10/26/25 08:37	1
Phenol-d6 (Surr)	26		10 - 120	10/20/25 06:11	10/26/25 08:37	1
p-Terphenyl-d14 (Surr)	79		47 - 131	10/20/25 06:11	10/26/25 08:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/26/25 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		38 - 134		10/26/25 00:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		10/21/25 18:21	10/22/25 02:30	1
1,2-Dibromo-3-Chloropropane	<0.0099		0.0099	ug/L		10/21/25 18:21	10/22/25 02:30	1
1,2-Dibromoethane	<0.0099		0.0099	ug/L		10/21/25 18:21	10/22/25 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	104		60 - 140	10/21/25 18:21	10/22/25 02:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		10/20/25 14:13	10/20/25 20:36	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:36	1
PCB-1016	<0.070		0.070	ug/L		10/20/25 14:13	10/20/25 20:36	1
PCB-1221	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:36	1
PCB-1232	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:36	1
PCB-1242	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:36	1
PCB-1248	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:36	1
PCB-1254	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:36	1
PCB-1260	<0.070		0.070	ug/L		10/20/25 14:13	10/20/25 20:36	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		70 - 130	10/20/25 14:13	10/20/25 20:36	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		10/19/25 10:24	10/27/25 01:04	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		10/19/25 10:24	10/27/25 01:04	1
C8-C18	<26		26	ug/L		10/19/25 10:24	10/27/25 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	102		60 - 130	10/19/25 10:24	10/27/25 01:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10	^3+	0.10	mg/L			10/21/25 22:24	1

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Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

PWSID Number: HI0000331

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	101		54 - 120		10/21/25 22:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	140		5.0	ug/L			10/21/25 02:48	1
Chloride	78		1.0	mg/L			10/17/25 19:09	2
Nitrate as N	0.56		0.050	mg/L			10/16/25 13:57	1
Nitrite as N	<0.050		0.050	mg/L			10/16/25 13:57	1
Sulfate	12		0.25	mg/L			10/16/25 13:57	1

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			10/20/25 14:28	1
Magnesium	15		0.10	mg/L			10/20/25 14:28	1
Potassium	2.1		0.10	mg/L			10/20/25 14:28	1
Sodium	30		0.10	mg/L			10/20/25 14:28	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L			10/22/25 17:56	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	ug/L			10/20/25 13:27	1
Arsenic	<1.0		1.0	ug/L			10/20/25 13:27	1
Beryllium	<0.30		0.30	ug/L			10/20/25 13:27	1
Cadmium	<0.50		0.50	ug/L			10/20/25 13:27	1
Chromium	2.8		0.90	ug/L			10/20/25 13:27	1
Copper	3.0		1.0	ug/L			10/20/25 13:27	1
Lead	0.51		0.50	ug/L			10/20/25 13:27	1
Nickel	<1.0		1.0	ug/L			10/20/25 13:27	1
Selenium	<2.0		2.0	ug/L			10/20/25 13:27	1
Silver	<0.50		0.50	ug/L			10/20/25 13:27	1
Thallium	<0.30		0.30	ug/L			10/20/25 13:27	1
Zinc	<5.0		5.0	ug/L			10/20/25 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	54		4.0	mg/L			10/20/25 18:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	54		4.0	mg/L			10/20/25 18:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0	mg/L			10/20/25 18:16	1
Specific Conductance (SM 2510B)	400		2.0	umhos/cm			10/20/25 18:16	1
Total Dissolved Solids (SM 2540C)	280		20	mg/L			10/20/25 16:00	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			10/21/25 21:02	1
pH (SM 4500 H+ B)	8.0	HF		SU			10/20/25 18:16	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			10/20/25 13:02	1

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-3

Date Collected: 10/15/25 09:57

Matrix: Water

Date Received: 10/16/25 10:29

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/20/25 17:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/20/25 17:01	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
1,1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 17:01	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/20/25 17:01	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/20/25 17:01	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 17:01	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/20/25 17:01	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 17:01	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/20/25 17:01	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/20/25 17:01	1
Acetone	<500		500	ug/L			10/20/25 17:01	1
Benzene	<0.50		0.50	ug/L			10/20/25 17:01	1
Bromobenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
Bromochloromethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Bromodichloromethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Bromoform	<0.50		0.50	ug/L			10/20/25 17:01	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/20/25 17:01	1
Carbon disulfide	<0.50		0.50	ug/L			10/20/25 17:01	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/20/25 17:01	1
Chlorobenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Chloroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/20/25 17:01	1
Dichloromethane	<0.50		0.50	ug/L			10/20/25 17:01	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 17:01	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 17:01	1
Dibromomethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Ethylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/20/25 17:01	1
Isopropylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
m,p-Xylenes	<0.50		0.50	ug/L			10/20/25 17:01	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/20/25 17:01	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/20/25 17:01	1
Naphthalene	<0.50		0.50	ug/L			10/20/25 17:01	1

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-3

Date Collected: 10/15/25 09:57

Matrix: Water

Date Received: 10/16/25 10:29

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
N-Propylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/20/25 17:01	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 17:01	1
o-Xylene	<0.50		0.50	ug/L			10/20/25 17:01	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 17:01	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/20/25 17:01	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/20/25 17:01	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
Styrene	<0.50		0.50	ug/L			10/20/25 17:01	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/20/25 17:01	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/20/25 17:01	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/20/25 17:01	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/20/25 17:01	1
Toluene	<0.50		0.50	ug/L			10/20/25 17:01	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/20/25 17:01	1
Xylenes, Total	<0.50		0.50	ug/L			10/20/25 17:01	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 17:01	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 17:01	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/20/25 17:01	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/20/25 17:01	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/20/25 17:01	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Bromoethane	<0.50		0.50	ug/L			10/20/25 17:01	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/20/25 17:01	1
Diisopropyl ether	<3.0		3.0	ug/L			10/20/25 17:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.78	T J	ug/L		2.24	N/A		10/20/25 17:01	1
Unknown	11	T J	ug/L		9.02	N/A		10/20/25 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		10/20/25 17:01	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		10/20/25 17:01	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/20/25 17:01	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/20/25 17:01	1
Toluene-d8 (Surr)	100		70 - 130		10/20/25 17:01	1
Toluene-d8 (Surr)	100		70 - 130		10/20/25 17:01	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			10/26/25 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		38 - 134		10/26/25 04:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		10/21/25 18:21	10/22/25 02:52	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-3

Date Collected: 10/15/25 09:57

Matrix: Water

Date Received: 10/16/25 10:29

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		10/21/25 18:21	10/22/25 02:52	1
1,2-Dibromoethane	<0.010		0.010	ug/L		10/21/25 18:21	10/22/25 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	87		60 - 140			10/21/25 18:21	10/22/25 02:52	1

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

Lab Sample ID: 380-177536-4

Date Collected: 10/15/25 10:26

Matrix: Water

Date Received: 10/16/25 10:29

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/20/25 17:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/20/25 17:24	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
1,1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 17:24	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/20/25 17:24	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/20/25 17:24	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 17:24	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/20/25 17:24	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 17:24	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/20/25 17:24	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/20/25 17:24	1
Acetone	500		500	ug/L			10/20/25 17:24	1
Benzene	<0.50		0.50	ug/L			10/20/25 17:24	1
Bromobenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
Bromochloromethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Bromodichloromethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Bromoform	<0.50		0.50	ug/L			10/20/25 17:24	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/20/25 17:24	1
Carbon disulfide	<0.50		0.50	ug/L			10/20/25 17:24	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/20/25 17:24	1
Chlorobenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Chloroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/20/25 17:24	1

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Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-4

Date Collected: 10/15/25 10:26

Matrix: Water

Date Received: 10/16/25 10:29

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichloromethane	<0.50		0.50	ug/L			10/20/25 17:24	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 17:24	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 17:24	1
Dibromomethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Ethylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/20/25 17:24	1
Isopropylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
m,p-Xylenes	<0.50		0.50	ug/L			10/20/25 17:24	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/20/25 17:24	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/20/25 17:24	1
Naphthalene	<0.50		0.50	ug/L			10/20/25 17:24	1
n-Butylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
N-Propylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/20/25 17:24	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 17:24	1
o-Xylene	<0.50		0.50	ug/L			10/20/25 17:24	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 17:24	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/20/25 17:24	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/20/25 17:24	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
Styrene	<0.50		0.50	ug/L			10/20/25 17:24	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/20/25 17:24	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/20/25 17:24	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/20/25 17:24	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/20/25 17:24	1
Toluene	<0.50		0.50	ug/L			10/20/25 17:24	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/20/25 17:24	1
Xylenes, Total	<0.50		0.50	ug/L			10/20/25 17:24	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 17:24	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 17:24	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/20/25 17:24	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/20/25 17:24	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/20/25 17:24	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Bromoethane	<0.50		0.50	ug/L			10/20/25 17:24	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/20/25 17:24	1
Diisopropyl ether	<3.0		3.0	ug/L			10/20/25 17:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.2	T J	ug/L		2.24	N/A		10/20/25 17:24	1
Unknown	19	T J	ug/L		9.02	N/A		10/20/25 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/20/25 17:24	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/20/25 17:24	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/20/25 17:24	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/20/25 17:24	1
Toluene-d8 (Surr)	100		70 - 130		10/20/25 17:24	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-4

Date Collected: 10/15/25 10:26

Matrix: Water

Date Received: 10/16/25 10:29

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		10/20/25 17:24	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L	-		10/26/25 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		38 - 134		10/26/25 04:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L	-	10/21/25 18:21	10/22/25 03:13	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L	-	10/21/25 18:21	10/22/25 03:13	1
1,2-Dibromoethane	<0.010		0.010	ug/L	-	10/21/25 18:21	10/22/25 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	101		60 - 140	10/21/25 18:21	10/22/25 03:13	1

Action Limit Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

**Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071)**
PWSID Number: HI0000331

Lab Sample ID: 380-177536-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org	EPAMCL	EPAMCL	Method	Prep Type
				Limit	Limit	S Limit		
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50		ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100		524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Vinyl Chloride (VC)	<0.30		ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		524.2	Total/NA
Alachlor	<0.049		ug/L		2		525.2	Total/NA
Atrazine	<0.049		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L		400		525.2	Total/NA
Endrin	<0.0099		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0099		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0099	^3+	ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0099		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L		50		525.2	Total/NA
Methoxychlor	<0.049		ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<0.97		ug/L		1		625.1 SIM	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000			504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05		504.1	Total/NA

Action Limit Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 1
(331-201-TP071) (Continued)
PWSID Number: HI0000331

Lab Sample ID: 380-177536-1

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 S		Method	Prep Type
					EPAMCL Limit	Limit		
Toxaphene	<0.50		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	<0.10		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA
Chloride	90		mg/L			250	300.0	Total/NA
Nitrate as N	0.56		mg/L		10		300.0	Total/NA
Nitrite as N	<0.050		mg/L		1		300.0	Total/NA
Sulfate	13		mg/L			250	300.0	Total/NA
Mercury	<0.20		ug/L		2		200.8	Total/NA
Antimony	<1.0		ug/L		6		200.8	Total/NA
Arsenic	<1.0		ug/L		10		200.8	Total/NA
Beryllium	<0.30		ug/L		4		200.8	Total/NA
Cadmium	<0.50		ug/L		5		200.8	Total/NA
Chromium	2.8		ug/L		100		200.8	Total/NA
Copper	3.1		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		10.00		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	7.8		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	280		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.9	HF	SU				6.5	SM 4500 H+ B

Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072)
PWSID Number: HI0000331

Lab Sample ID: 380-177536-2

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

Eurofins Eaton Analytical Pomona

Action Limit Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072) (Continued)
PWSID Number: HI0000331

Lab Sample ID: 380-177536-2

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	Method	Prep Type
				Limit	Limit	S Limit		
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100		524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Vinyl Chloride (VC)	<0.30		ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		524.2	Total/NA
Alachlor	<0.049		ug/L		2		525.2	Total/NA
Atrazine	<0.049		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L		400		525.2	Total/NA
Endrin	<0.0098		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0098		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0098	^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
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	78		mg/L			250	300.0	Total/NA
Nitrate as N	0.56		mg/L		10		300.0	Total/NA
Nitrite as N	<0.050		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	2.8		ug/L		100		200.8	Total/NA

Action Limit Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Client Sample ID: AIEA GULCH WELLS PUMP 2
(331-202-TP072) (Continued)
PWSID Number: HI0000331

Lab Sample ID: 380-177536-2

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	Method	Prep Type
						S Limit		
Copper	3.0		ug/L		1300	1000	200.8	Total/NA
Lead	0.51		ug/L		10.00		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	<5.0		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	280		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	SM 4500 H+ B	Total/NA

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

Lab Sample ID: 380-177536-3

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

Eurofins Eaton Analytical Pomona

Action Limit Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-3

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

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

Lab Sample ID: 380-177536-4

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80	0.50	524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Bromoform	<0.50		ug/L		80	0.50	524.2	Total/NA
Carbon tetrachloride	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700	0.50	524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75	0.50	524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000	0.50	524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Vinyl Chloride (VC)	<0.30		ug/L	2.000	2	0.30	524.2	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000		0.020	504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2	0.010	504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05	0.010	504.1	Total/NA

Surrogate Summary

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

Job ID: 380-177536-1
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)	DCA (70-130)	BFB (70-130)	BFB (70-130)	TOL (70-130)	TOL (70-130)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	93	93	96	96	100	100
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	90	90	96	96	100	100

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		DCA (70-130)	DCA (70-130)	BFB (70-130)	BFB (70-130)	TOL (70-130)	TOL (70-130)
380-177536-3	TB: AIEA GULCH WELLS PUMF	9	91	96	96	100	100
380-177536-4	TB: AIEA GULCH WELLS PUMF 2 (331-202-TP072)	94	94	100	100	100	100
LCS 380-180816/6	Lab Control Sample	92	92	99	99	100	100
LCSD 380-180816/7	Lab Control Sample Dup	93	93	98	98	101	101
MB 380-180816/9	Method Blank	92	92	95	95	97	97
MRL 380-180816/4	Lab Control Sample	92	92	102	102	101	101
MRL 380-180816/5	Lab Control Sample	91	91	99	99	99	99

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	104	85	105
380-177536-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	103	95	107
380-177536-1 MSD	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	103	93	107
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	104	85	104

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

Surrogate Summary

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
LCS 380-181363/22-A	Lab Control Sample	105	95	109
MB 380-181363/20-A	Method Blank	104	83	103
MRL 380-181363/21-A	Lab Control Sample	106	82	105

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	76	83	52	87	29	77
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	72	78	50	77	26	79

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
MB 570-642969/1-A	Method Blank	89	87	60	93	34	83

Surrogate Legend

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

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)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	71	65	43	74	28	72
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	69	60	40	65	26	71

Surrogate Legend

Surrogate Summary

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	84
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	83

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-177536-3	TB: AIEA GULCH WELLS PUMF	83
380-177536-4	TB: AIEA GULCH WELLS PUMF 2 (331-202-TP072)	86
380-178070-B-1 MS	Matrix Spike	81
380-178070-B-1 MSD	Matrix Spike Duplicate	83
380-178571-C-1 MS	Matrix Spike	83
380-178571-C-1 MSD	Matrix Spike Duplicate	87
LCS 570-646066/4	Lab Control Sample	78
LCS 570-646186/33	Lab Control Sample	85
LCSD 570-646066/5	Lab Control Sample Dup	81
LCSD 570-646186/34	Lab Control Sample Dup	82
MB 570-646066/6	Method Blank	79
MB 570-646186/35	Method Blank	78

Surrogate Summary

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
MRL 570-646066/3	Lab Control Sample	80
MRL 570-646186/32	Lab Control Sample	78

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)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	94
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	104

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)
380-177093-F-1-A MS	Matrix Spike	103
380-177094-E-1-A DU	Duplicate	98
380-177536-3	TB: AIEA GULCH WELLS PUMF 1 (331-201-TP071)	87
380-177536-4	TB: AIEA GULCH WELLS PUMF 2 (331-202-TP072)	101
LCS 380-181235/29-A	Lab Control Sample	100
MBL 380-181235/4-A	Method Blank	89
MRL 380-181235/2-A	Lab Control Sample	90
MRL 380-181235/3-A	Lab Control Sample	105

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)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	99
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	99

Surrogate Legend

TCX = Tetrachloro-m-xylene

Surrogate Summary

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

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

Surrogate Legend

TCX = Tetrachloro-m-xylene

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	103
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	102

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
LCS 570-642798/2-A	Lab Control Sample	108
LCSD 570-642798/3-A	Lab Control Sample Dup	90
MB 570-642798/1-A	Method Blank	88
MRL 570-642798/4-A	Lab Control Sample	101

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 (54-120)
380-177536-1	AIEA GULCH WELLS PUMP 1 (	103
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	101

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

Surrogate Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (54-120)
380-177079-I-1 MS	Matrix Spike	94
380-177079-I-1 MSD	Matrix Spike Duplicate	95
LCS 570-643985/5	Lab Control Sample	100
LCSD 570-643985/6	Lab Control Sample Dup	95
MB 570-643985/3	Method Blank	96
MRL 570-643985/4	Lab Control Sample	106

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

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

QC Sample Results

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MB 380-180816/9
 Matrix: Water
 Analysis Batch: 180816

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/20/25 10:50	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			10/20/25 10:50	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/20/25 10:50	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/20/25 10:50	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 10:50	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/20/25 10:50	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/20/25 10:50	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/20/25 10:50	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/20/25 10:50	1
Acetone	<500		500	ug/L			10/20/25 10:50	1
Benzene	<0.50		0.50	ug/L			10/20/25 10:50	1
Bromobenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
Bromochloromethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Bromodichloromethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Bromoform	<0.50		0.50	ug/L			10/20/25 10:50	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/20/25 10:50	1
Carbon disulfide	<0.50		0.50	ug/L			10/20/25 10:50	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/20/25 10:50	1
Chlorobenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Chloroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/20/25 10:50	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 10:50	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 10:50	1
Dibromomethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Dichloromethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Ethylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/20/25 10:50	1
Isopropylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
m,p-Xylenes	<0.50		0.50	ug/L			10/20/25 10:50	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/20/25 10:50	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/20/25 10:50	1
Naphthalene	<0.50		0.50	ug/L			10/20/25 10:50	1
n-Butylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
N-Propylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 10:50	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/20/25 10:50	1

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MB 380-180816/9
Matrix: Water
Analysis Batch: 180816

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	ug/L			10/20/25 10:50	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/20/25 10:50	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/20/25 10:50	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/20/25 10:50	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
Styrene	<0.50		0.50	ug/L			10/20/25 10:50	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/20/25 10:50	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/20/25 10:50	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/20/25 10:50	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/20/25 10:50	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/20/25 10:50	1
Toluene	<0.50		0.50	ug/L			10/20/25 10:50	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/20/25 10:50	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/20/25 10:50	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/20/25 10:50	1
Bromoethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/20/25 10:50	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/20/25 10:50	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/20/25 10:50	1
Diisopropyl ether	<3.0		3.0	ug/L			10/20/25 10:50	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/20/25 10:50	1
Xylenes, Total	<0.50		0.50	ug/L			10/20/25 10:50	1

<i>Tentatively Identified Compound</i>	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Tentatively Identified Compound</i>	None		ug/L			N/A		10/20/25 10:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	92		70 - 130		10/20/25 10:50	1
<i>4-Bromofluorobenzene (Surr)</i>	95		70 - 130		10/20/25 10:50	1
<i>Toluene-d8 (Surr)</i>	97		70 - 130		10/20/25 10:50	1

Lab Sample ID: LCS 380-180816/6
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.64		ug/L		93	70 - 130
1,1,1-Trichloroethane	5.00	5.05		ug/L		101	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.06		ug/L		101	70 - 130
1,1,2-Trichloroethane	5.00	4.82		ug/L		96	70 - 130
1,1-Dichloroethane	5.00	4.90		ug/L		98	70 - 130
1,1-Dichlorethylene	5.00	5.34		ug/L		107	70 - 130
1,1-Dichloropropene	5.00	5.09		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	5.00	4.74		ug/L		95	70 - 130
1,2,3-Trichloropropane	5.00	4.99		ug/L		100	70 - 130
1,2,4-Trichlorobenzene	5.00	4.96		ug/L		99	70 - 130
1,2,4-Trimethylbenzene	5.00	5.21		ug/L		104	70 - 130
1,2-Dichloroethane	5.00	4.82		ug/L		96	70 - 130

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCS 380-180816/6
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	5.00	4.91		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	5.00	5.33		ug/L		107	70 - 130
1,3-Dichloropropane	5.00	5.07		ug/L		101	70 - 130
2,2-Dichloropropane	5.00	5.59		ug/L		112	70 - 130
2-Butanone (MEK)	50.0	54.1		ug/L		108	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	52.7		ug/L		105	70 - 130
Acetone	50.0	48.4	J	ug/L		97	70 - 130
Benzene	5.00	5.04		ug/L		101	70 - 130
Bromobenzene	5.00	4.94		ug/L		99	70 - 130
Bromochloromethane	5.00	5.09		ug/L		102	70 - 130
Bromodichloromethane	5.00	5.29		ug/L		106	70 - 130
Bromoform	5.00	5.46		ug/L		109	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.25		ug/L		105	70 - 130
Carbon disulfide	5.00	5.11		ug/L		102	70 - 130
Carbon tetrachloride	5.00	6.08		ug/L		122	70 - 130
Chlorobenzene	5.00	5.25		ug/L		105	70 - 130
Chlorodibromomethane	5.00	5.21		ug/L		104	70 - 130
cis-1,3-Dichloropropene	5.00	5.27		ug/L		105	70 - 130
Dichloromethane	5.00	5.15		ug/L		103	70 - 130
Ethylbenzene	5.00	5.34		ug/L		107	70 - 130
Hexachlorobutadiene	5.00	5.39		ug/L		108	70 - 130
Isopropylbenzene	5.00	5.45		ug/L		109	70 - 130
m,p-Xylenes	10.0	10.8		ug/L		108	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.13		ug/L		103	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	4.91		ug/L		98	70 - 130
Naphthalene	5.00	4.87		ug/L		97	70 - 130
n-Butylbenzene	5.00	5.64		ug/L		113	70 - 130
N-Propylbenzene	5.00	5.50		ug/L		110	70 - 130
o-Chlorotoluene	5.00	5.32		ug/L		106	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.19		ug/L		104	70 - 130
o-Xylene	5.00	5.28		ug/L		106	70 - 130
p-Chlorotoluene	5.00	5.35		ug/L		107	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.18		ug/L		104	70 - 130
p-Isopropyltoluene	5.00	5.41		ug/L		108	70 - 130
sec-Butylbenzene	5.00	5.68		ug/L		114	70 - 130
Styrene	5.00	5.21		ug/L		104	70 - 130
Tert-amyl methyl ether	5.00	4.99		ug/L		100	70 - 130
1,3-Dichloropropene, Total	10.0	10.5		ug/L		105	70 - 130
Tert-butyl ethyl ether	5.00	4.95		ug/L		99	70 - 130
tert-Butylbenzene	5.00	5.50		ug/L		110	70 - 130
Tetrachloroethene (PCE)	5.00	5.32		ug/L		106	70 - 130
Toluene	5.00	4.96		ug/L		99	70 - 130
trans-1,2-Dichloroethylene	5.00	5.18		ug/L		104	70 - 130
trans-1,3-Dichloropropene	5.00	5.20		ug/L		104	70 - 130
Trichloroethylene (TCE)	5.00	5.05		ug/L		101	70 - 130
Bromoethane	5.00	5.35		ug/L		107	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.87		ug/L		117	70 - 130
Trichlorotrifluoroethane	5.00	6.41		ug/L		128	70 - 130

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCS 380-180816/6
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diisopropyl ether	5.00	4.83		ug/L		97	70 - 130
Vinyl Chloride (VC)	5.00	5.24		ug/L		105	70 - 130
Xylenes, Total	15.0	16.1		ug/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 380-180816/7
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	5.00	4.51		ug/L		90	70 - 130	3	20
1,1,1-Trichloroethane	5.00	4.77		ug/L		95	70 - 130	6	20
1,1,2,2-Tetrachloroethane	5.00	4.94		ug/L		99	70 - 130	2	20
1,1,2-Trichloroethane	5.00	4.69		ug/L		94	70 - 130	3	20
1,1-Dichloroethane	5.00	4.69		ug/L		94	70 - 130	4	20
1,1-Dichlorethylene	5.00	5.09		ug/L		102	70 - 130	5	20
1,1-Dichloropropene	5.00	4.88		ug/L		98	70 - 130	4	20
1,2,3-Trichlorobenzene	5.00	5.04		ug/L		101	70 - 130	6	20
1,2,3-Trichloropropane	5.00	4.78		ug/L		96	70 - 130	4	20
1,2,4-Trichlorobenzene	5.00	4.91		ug/L		98	70 - 130	1	20
1,2,4-Trimethylbenzene	5.00	4.95		ug/L		99	70 - 130	5	20
1,2-Dichloroethane	5.00	4.45		ug/L		89	70 - 130	8	20
1,2-Dichloropropane	5.00	4.83		ug/L		97	70 - 130	2	20
1,3,5-Trimethylbenzene	5.00	5.12		ug/L		102	70 - 130	4	20
1,3-Dichloropropane	5.00	4.95		ug/L		99	70 - 130	2	20
2,2-Dichloropropane	5.00	5.00		ug/L		100	70 - 130	11	20
2-Butanone (MEK)	50.0	53.0		ug/L		106	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	50.0	51.5		ug/L		103	70 - 130	2	20
Acetone	50.0	49.2	J	ug/L		98	70 - 130	2	20
Benzene	5.00	4.89		ug/L		98	70 - 130	3	20
Bromobenzene	5.00	4.83		ug/L		97	70 - 130	2	20
Bromochloromethane	5.00	4.86		ug/L		97	70 - 130	5	20
Bromodichloromethane	5.00	4.76		ug/L		95	70 - 130	11	20
Bromoform	5.00	5.09		ug/L		102	70 - 130	7	20
Bromomethane (Methyl Bromide)	5.00	4.94		ug/L		99	70 - 130	6	20
Carbon disulfide	5.00	4.75		ug/L		95	70 - 130	7	20
Carbon tetrachloride	5.00	5.58		ug/L		112	70 - 130	9	20
Chlorobenzene	5.00	5.11		ug/L		102	70 - 130	3	20
Chlorodibromomethane	5.00	5.06		ug/L		101	70 - 130	3	20
cis-1,3-Dichloropropene	5.00	5.19		ug/L		104	70 - 130	2	20
Dichloromethane	5.00	4.86		ug/L		97	70 - 130	6	20
Ethylbenzene	5.00	5.14		ug/L		103	70 - 130	4	20
Hexachlorobutadiene	5.00	5.09		ug/L		102	70 - 130	6	20
Isopropylbenzene	5.00	5.26		ug/L		105	70 - 130	4	20

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCSD 380-180816/7
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	10.0	10.4		ug/L		104	70 - 130	4	20
m-Dichlorobenzene (1,3-DCB)	5.00	4.99		ug/L		100	70 - 130	3	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.60		ug/L		92	70 - 130	6	20
Naphthalene	5.00	4.99		ug/L		100	70 - 130	2	20
n-Butylbenzene	5.00	5.34		ug/L		107	70 - 130	5	20
N-Propylbenzene	5.00	5.32		ug/L		106	70 - 130	3	20
o-Chlorotoluene	5.00	5.20		ug/L		104	70 - 130	2	20
o-Dichlorobenzene (1,2-DCB)	5.00	5.02		ug/L		100	70 - 130	3	20
o-Xylene	5.00	5.10		ug/L		102	70 - 130	3	20
p-Chlorotoluene	5.00	5.16		ug/L		103	70 - 130	4	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.01		ug/L		100	70 - 130	3	20
p-Isopropyltoluene	5.00	5.24		ug/L		105	70 - 130	3	20
sec-Butylbenzene	5.00	5.47		ug/L		109	70 - 130	4	20
Styrene	5.00	5.04		ug/L		101	70 - 130	3	20
Tert-amyl methyl ether	5.00	4.78		ug/L		96	70 - 130	4	20
1,3-Dichloropropene, Total	10.0	10.5		ug/L		105	70 - 130	0	20
Tert-butyl ethyl ether	5.00	4.74		ug/L		95	70 - 130	4	20
tert-Butylbenzene	5.00	5.23		ug/L		105	70 - 130	5	20
Tetrachloroethene (PCE)	5.00	5.08		ug/L		102	70 - 130	5	20
Toluene	5.00	4.90		ug/L		98	70 - 130	1	20
trans-1,2-Dichloroethylene	5.00	4.79		ug/L		96	70 - 130	8	20
trans-1,3-Dichloropropene	5.00	5.27		ug/L		105	70 - 130	1	20
Trichloroethylene (TCE)	5.00	4.84		ug/L		97	70 - 130	4	20
Bromoethane	5.00	4.97		ug/L		99	70 - 130	7	20
Trichlorofluoromethane (Freon 11)	5.00	5.63		ug/L		113	70 - 130	4	20
Trichlorotrifluoroethane	5.00	6.05		ug/L		121	70 - 130	6	20
Diisopropyl ether	5.00	4.67		ug/L		93	70 - 130	3	20
Vinyl Chloride (VC)	5.00	4.92		ug/L		98	70 - 130	6	20
Xylenes, Total	15.0	15.5		ug/L		104	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MRL 380-180816/4
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylenes	0.500	0.553		ug/L		111	50 - 150
Vinyl Chloride (VC)	0.250	0.290	J	ug/L		116	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Sample Results

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MRL 380-180816/5
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.500	0.407	J	ug/L		81	50 - 150
1,1,1-Trichloroethane	0.500	0.487	J	ug/L		97	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.540		ug/L		108	50 - 150
1,1,2-Trichloroethane	0.500	0.483	J	ug/L		97	50 - 150
1,1-Dichloroethane	0.500	0.534		ug/L		107	50 - 150
1,1-Dichlorethylene	0.500	0.614		ug/L		123	50 - 150
1,1-Dichloropropene	0.500	0.569		ug/L		114	50 - 150
1,2,3-Trichlorobenzene	0.500	0.566		ug/L		113	50 - 150
1,2,3-Trichloropropane	0.500	0.550		ug/L		110	50 - 150
1,2,4-Trichlorobenzene	0.500	0.540		ug/L		108	50 - 150
1,2,4-Trimethylbenzene	0.500	0.559		ug/L		112	50 - 150
1,2-Dichloroethane	0.500	0.516		ug/L		103	50 - 150
1,2-Dichloropropane	0.500	0.520		ug/L		104	50 - 150
1,3,5-Trimethylbenzene	0.500	0.575		ug/L		115	50 - 150
1,3-Dichloropropane	0.500	0.530		ug/L		106	50 - 150
2,2-Dichloropropane	0.500	0.581		ug/L		116	50 - 150
2-Butanone (MEK)	5.00	6.54		ug/L		131	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	5.73		ug/L		115	50 - 150
Acetone	5.00	<4.0		ug/L		54	50 - 150
Benzene	0.500	0.551		ug/L		110	50 - 150
Bromobenzene	0.500	0.539		ug/L		108	50 - 150
Bromochloromethane	0.500	0.528		ug/L		106	50 - 150
Bromodichloromethane	0.500	0.564		ug/L		113	50 - 150
Bromoform	0.500	0.561		ug/L		112	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.592		ug/L		118	50 - 150
Carbon disulfide	0.500	0.498	J	ug/L		100	50 - 150
Carbon tetrachloride	0.500	0.656		ug/L		131	50 - 150
Chlorobenzene	0.500	0.554		ug/L		111	50 - 150
Chlorodibromomethane	0.500	0.595		ug/L		119	50 - 150
cis-1,3-Dichloropropene	0.500	0.433	J	ug/L		87	50 - 150
Dichloromethane	0.500	0.551		ug/L		110	50 - 150
Ethylbenzene	0.500	0.577		ug/L		115	50 - 150
Hexachlorobutadiene	0.500	0.580		ug/L		116	50 - 150
Isopropylbenzene	0.500	0.585		ug/L		117	50 - 150
m,p-Xylenes	1.00	1.14		ug/L		114	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.553		ug/L		111	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.547		ug/L		109	50 - 150
Naphthalene	0.500	0.536		ug/L		107	50 - 150
n-Butylbenzene	0.500	0.608		ug/L		122	50 - 150
N-Propylbenzene	0.500	0.611		ug/L		122	50 - 150
o-Chlorotoluene	0.500	0.551		ug/L		110	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.551		ug/L		110	50 - 150
o-Xylene	0.500	0.570		ug/L		114	50 - 150
p-Chlorotoluene	0.500	0.571		ug/L		114	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.547		ug/L		109	50 - 150
p-Isopropyltoluene	0.500	0.578		ug/L		116	50 - 150
sec-Butylbenzene	0.500	0.609		ug/L		122	50 - 150
Styrene	0.500	0.510		ug/L		102	50 - 150

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MRL 380-180816/5
Matrix: Water
Analysis Batch: 180816

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Tert-amyl methyl ether	0.500	0.566	J	ug/L		113	50 - 150
1,3-Dichloropropene, Total	1.00	1.03		ug/L		103	50 - 150
Tert-butyl ethyl ether	0.500	0.563	J	ug/L		113	50 - 150
tert-Butylbenzene	0.500	0.596		ug/L		119	50 - 150
Tetrachloroethene (PCE)	0.500	0.587		ug/L		117	50 - 150
Toluene	0.500	0.557		ug/L		111	50 - 150
trans-1,2-Dichloroethylene	0.500	0.578		ug/L		116	50 - 150
trans-1,3-Dichloropropene	0.500	0.592		ug/L		118	50 - 150
Trichloroethylene (TCE)	0.500	0.517		ug/L		103	50 - 150
Bromoethane	0.500	0.585		ug/L		117	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.636		ug/L		127	50 - 150
Trichlorotrifluoroethane	0.500	0.677		ug/L		135	50 - 150
Diisopropyl ether	0.500	0.521	J	ug/L		104	50 - 150
Vinyl Chloride (VC)	0.500	0.592		ug/L		118	50 - 150
Xylenes, Total	1.50	1.71		ug/L		114	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130

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

Lab Sample ID: MB 380-181363/20-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 181363

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
2,4'-DDE	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
2,4'-DDT	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
2,6-Dinitrotoluene	<0.099	^3+	0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
4,4'-DDD	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
4,4'-DDE	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
4,4'-DDT	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Acenaphthene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Acenaphthylene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Acetochlor	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Alachlor	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
alpha-BHC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
alpha-Chlordane	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Anthracene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:33	1
Atrazine	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Benz(a)anthracene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:33	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:33	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1

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QC Sample Results

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MB 380-181363/20-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 181363

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:33	1
beta-BHC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		10/22/25 09:06	10/23/25 13:33	1
Aldrin	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Bromacil	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Butachlor	<0.050	^3+	0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Butylbenzylphthalate	<0.50	^3+	0.50	ug/L		10/22/25 09:06	10/23/25 13:33	1
Chlorobenzilate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Chloroneb	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Chlorpyrifos	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Chrysene	<0.020		0.020	ug/L		10/22/25 09:06	10/23/25 13:33	1
delta-BHC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		10/22/25 09:06	10/23/25 13:33	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Dieldrin	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Diethylphthalate	<0.50		0.50	ug/L		10/22/25 09:06	10/23/25 13:33	1
Dimethylphthalate	<0.50		0.50	ug/L		10/22/25 09:06	10/23/25 13:33	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		10/22/25 09:06	10/23/25 13:33	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Endosulfan sulfate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Endrin	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Endrin aldehyde	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
EPTC	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Fluoranthene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Fluorene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
gamma-BHC (Lindane)	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:33	1
gamma-Chlordane	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Heptachlor	<0.0099	^3+	0.0099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Hexachlorobenzene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Isophorone	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Malathion	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Methoxychlor	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Metolachlor	<0.050	^3+	0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Molinate	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Naphthalene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Parathion	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Phenanthrene	<0.040		0.040	ug/L		10/22/25 09:06	10/23/25 13:33	1
Propachlor	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Pyrene	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Simazine	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Terbacil	<0.099	^3+	0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MB 380-181363/20-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 181363

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Terbutylazine	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Thiobencarb	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/22/25 09:06	10/23/25 13:33	1
trans-Nonachlor	<0.050		0.050	ug/L		10/22/25 09:06	10/23/25 13:33	1
Trifluralin	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
1-Methylnaphthalene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1
2-Methylnaphthalene	<0.099		0.099	ug/L		10/22/25 09:06	10/23/25 13:33	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclopentene, 1,2,3,4,5-pentamethyl-	1.02	T J N	ug/L		2.58	1000154-28-6	10/22/25 09:06	10/23/25 13:33	1
Decane	1.17	T J N	ug/L		2.83	124-18-5	10/22/25 09:06	10/23/25 13:33	1
Undecane	1.53	T J N	ug/L		3.18	1120-21-4	10/22/25 09:06	10/23/25 13:33	1
Cyclopentasiloxane, decamethyl-	1.03	T J N	ug/L		3.31	541-02-6	10/22/25 09:06	10/23/25 13:33	1
Phenol, m-tert-butyl-	2.11	T J N	ug/L		3.90	585-34-2	10/22/25 09:06	10/23/25 13:33	1
Phenol, 4-(1,1-dimethylpropyl)-	0.625	T J N	ug/L		4.30	80-46-6	10/22/25 09:06	10/23/25 13:33	1
Unknown	0.574	T J	ug/L		4.56	N/A	10/22/25 09:06	10/23/25 13:33	1
Phenol, 2,4-bis(1,1-dimethylethyl)-	0.511	T J N	ug/L		4.71	96-76-4	10/22/25 09:06	10/23/25 13:33	1
9-Octadecenamamide, (Z)-	1.17	T J N	ug/L		7.95	301-02-0	10/22/25 09:06	10/23/25 13:33	1
Heneicosane	0.592	T J N	ug/L		15.07	629-94-7	10/22/25 09:06	10/23/25 13:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	104		70 - 130	10/22/25 09:06	10/23/25 13:33	1
Perylene-d12	83		70 - 130	10/22/25 09:06	10/23/25 13:33	1
Triphenylphosphate	103		70 - 130	10/22/25 09:06	10/23/25 13:33	1

Lab Sample ID: LCS 380-181363/22-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4'-DDD	1.98	2.13		ug/L		107	70 - 130
2,4'-DDE	1.98	2.12		ug/L		107	70 - 130
2,4'-DDT	1.98	2.19		ug/L		110	70 - 130
2,4-Dinitrotoluene	1.98	2.25		ug/L		113	70 - 130
2,6-Dinitrotoluene	1.98	2.25		ug/L		113	70 - 130
4,4'-DDD	1.98	2.13		ug/L		108	70 - 130
4,4'-DDE	1.98	1.97		ug/L		99	70 - 130
4,4'-DDT	1.98	2.16		ug/L		109	70 - 130
Acenaphthene	1.98	1.80		ug/L		91	70 - 130
Acenaphthylene	1.98	1.85		ug/L		93	70 - 130
Acetochlor	1.98	2.31		ug/L		117	70 - 130
Alachlor	1.98	2.20		ug/L		111	70 - 130
alpha-BHC	1.98	2.14		ug/L		108	70 - 130
alpha-Chlordane	1.98	1.98		ug/L		100	70 - 130
Anthracene	1.98	1.75		ug/L		88	70 - 130
Atrazine	1.98	2.36		ug/L		119	70 - 130
Benz(a)anthracene	1.98	1.81		ug/L		91	70 - 130

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCS 380-181363/22-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	1.98	1.93		ug/L		97	70 - 130
Benzo[b]fluoranthene	1.98	1.85		ug/L		93	70 - 130
Benzo[g,h,i]perylene	1.98	1.91		ug/L		96	70 - 130
Benzo[k]fluoranthene	1.98	2.04		ug/L		103	70 - 130
beta-BHC	1.98	2.16		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.35		ug/L		119	70 - 130
Aldrin	1.98	1.60		ug/L		80	70 - 130
Bromacil	1.98	2.47		ug/L		125	70 - 130
Butachlor	1.98	2.34		ug/L		118	70 - 130
Butylbenzylphthalate	1.98	2.57		ug/L		129	70 - 130
Chlorobenzilate	1.98	2.41		ug/L		122	70 - 130
Chloroneb	1.98	2.03		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.10		ug/L		106	70 - 130
Chlorpyrifos	1.98	2.30		ug/L		116	70 - 130
Chrysene	1.98	2.00		ug/L		101	70 - 130
delta-BHC	1.98	2.17		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.52		ug/L		127	70 - 130
Dibenz(a,h)anthracene	1.98	1.90		ug/L		96	70 - 130
Diclorvos (DDVP)	1.98	2.18		ug/L		110	70 - 130
Dieldrin	1.98	1.98		ug/L		100	70 - 130
Diethylphthalate	1.98	2.22		ug/L		112	70 - 130
Dimethylphthalate	1.98	2.13		ug/L		108	70 - 130
Di-n-butyl phthalate	3.97	4.61		ug/L		116	70 - 130
Di-n-octyl phthalate	1.98	2.11		ug/L		106	70 - 130
Endosulfan I (Alpha)	1.98	2.05		ug/L		103	70 - 130
Endosulfan II (Beta)	1.98	2.26		ug/L		114	70 - 130
Endosulfan sulfate	1.98	2.21		ug/L		112	70 - 130
Endrin	1.98	2.29		ug/L		115	70 - 130
Endrin aldehyde	1.98	2.11		ug/L		107	60 - 130
EPTC	1.98	2.10		ug/L		106	70 - 130
Fluoranthene	1.98	2.12		ug/L		107	70 - 130
Fluorene	1.98	1.86		ug/L		94	70 - 130
gamma-BHC (Lindane)	1.98	2.35		ug/L		118	70 - 130
gamma-Chlordane	1.98	2.01		ug/L		101	70 - 130
Heptachlor	1.98	2.30		ug/L		116	70 - 130
Heptachlor epoxide (isomer B)	1.98	1.91		ug/L		96	70 - 130
Hexachlorobenzene	1.98	2.05		ug/L		103	70 - 130
Hexachlorocyclopentadiene	1.98	2.24		ug/L		113	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	1.87		ug/L		94	70 - 130
Isophorone	1.98	1.89		ug/L		95	70 - 130
Malathion	1.98	2.40		ug/L		121	70 - 130
Methoxychlor	1.98	2.27		ug/L		114	70 - 130
Metolachlor	1.98	2.31		ug/L		117	70 - 130
Molinate	1.98	2.14		ug/L		108	70 - 130
Naphthalene	1.98	2.01		ug/L		101	70 - 130
Parathion	1.98	2.51		ug/L		127	70 - 130
Pendimethalin (Penoxaline)	1.98	2.20		ug/L		111	70 - 130
Phenanthrene	1.98	1.85		ug/L		93	70 - 130
Propachlor	1.98	2.35		ug/L		118	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCS 380-181363/22-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	1.98	2.11		ug/L		106	70 - 130
Simazine	1.98	2.29		ug/L		115	70 - 130
Terbacil	1.98	2.40		ug/L		121	70 - 130
Terbutylazine	1.98	2.39		ug/L		121	70 - 130
Thiobencarb	1.98	2.08		ug/L		105	70 - 130
trans-Nonachlor	1.98	1.93		ug/L		97	70 - 130
Trifluralin	1.98	2.19		ug/L		110	70 - 130
1-Methylnaphthalene	1.98	1.94		ug/L		98	70 - 130
2-Methylnaphthalene	1.98	1.91		ug/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	105		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	109		70 - 130

Lab Sample ID: MRL 380-181363/21-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181363

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0992	0.105		ug/L		105	50 - 150
2,4'-DDE	0.0992	0.127		ug/L		128	50 - 150
2,4'-DDT	0.0992	0.123		ug/L		124	50 - 150
2,4-Dinitrotoluene	0.0992	0.134		ug/L		135	50 - 150
2,6-Dinitrotoluene	0.0992	0.152	^3+	ug/L		153	50 - 150
4,4'-DDD	0.0992	0.115		ug/L		116	50 - 150
4,4'-DDE	0.0992	0.0976	J	ug/L		98	50 - 150
4,4'-DDT	0.0992	0.130		ug/L		131	50 - 150
Acenaphthene	0.0992	0.117		ug/L		118	50 - 150
Acenaphthylene	0.0992	0.101		ug/L		101	50 - 150
Acetochlor	0.0992	0.145		ug/L		146	50 - 150
Alachlor	0.0496	0.0703		ug/L		142	50 - 150
alpha-BHC	0.0992	0.128		ug/L		129	50 - 150
alpha-Chlordane	0.0248	0.0307	J	ug/L		124	50 - 150
Anthracene	0.0198	0.0262		ug/L		132	50 - 150
Atrazine	0.0496	0.0598		ug/L		121	50 - 150
Benz(a)anthracene	0.0496	0.0559		ug/L		113	50 - 150
Benzo[a]pyrene	0.0198	0.0185	J	ug/L		93	50 - 150
Benzo[b]fluoranthene	0.0198	0.0211		ug/L		106	50 - 150
Benzo[g,h,i]perylene	0.0496	0.0516		ug/L		104	50 - 150
Benzo[k]fluoranthene	0.0198	0.0221		ug/L		112	50 - 150
beta-BHC	0.0992	0.128		ug/L		129	50 - 150
Bis(2-ethylhexyl) phthalate	0.595	0.723		ug/L		122	50 - 150
Aldrin	0.00992	<0.0099		ug/L		66	50 - 150
Bromacil	0.0992	0.146		ug/L		147	50 - 150
Butachlor	0.0496	0.0794	^3+	ug/L		160	50 - 150
Butylbenzylphthalate	0.496	0.750	^3+	ug/L		151	50 - 150
Chlorobenzilate	0.0992	0.140		ug/L		141	50 - 150

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MRL 380-181363/21-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181363

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	0.0992	0.120		ug/L		121	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0992	0.106		ug/L		107	50 - 150
Chlorpyrifos	0.0496	0.0511		ug/L		103	50 - 150
Chrysene	0.0198	0.0220		ug/L		111	50 - 150
delta-BHC	0.0992	0.124		ug/L		125	50 - 150
Di(2-ethylhexyl)adipate	0.595	0.777		ug/L		130	50 - 150
Dibenz(a,h)anthracene	0.0496	0.0437	J	ug/L		88	50 - 150
Diclorvos (DDVP)	0.0496	0.0727		ug/L		147	50 - 150
Dieldrin	0.00992	0.0136		ug/L		137	50 - 150
Diethylphthalate	0.496	0.674		ug/L		136	50 - 150
Dimethylphthalate	0.496	0.633		ug/L		128	50 - 150
Di-n-butyl phthalate	0.496	0.685	J	ug/L		138	49 - 243
Di-n-octyl phthalate	0.0992	0.0907	J	ug/L		91	50 - 150
Endosulfan I (Alpha)	0.0992	0.0883	J	ug/L		89	50 - 150
Endosulfan II (Beta)	0.0992	0.108		ug/L		109	50 - 150
Endosulfan sulfate	0.0992	0.118		ug/L		119	50 - 150
Endrin	0.00992	0.0140		ug/L		141	50 - 150
Endrin aldehyde	0.0992	0.119		ug/L		120	50 - 150
EPTC	0.0992	0.125		ug/L		126	50 - 150
Fluoranthene	0.0992	0.105		ug/L		106	50 - 150
Fluorene	0.0496	0.0689		ug/L		139	50 - 150
gamma-BHC (Lindane)	0.00992	0.0130		ug/L		131	50 - 150
gamma-Chlordane	0.0248	0.0303	J	ug/L		122	50 - 150
Heptachlor	0.00992	0.0193	^3+	ug/L		195	50 - 150
Heptachlor epoxide (isomer B)	0.00992	0.0133		ug/L		134	50 - 150
Hexachlorobenzene	0.0496	0.0506		ug/L		102	50 - 150
Hexachlorocyclopentadiene	0.0496	0.0581		ug/L		117	50 - 150
Indeno[1,2,3-cd]pyrene	0.0496	0.0440	J	ug/L		89	50 - 150
Isophorone	0.0992	0.124		ug/L		125	50 - 150
Malathion	0.0992	0.146		ug/L		147	50 - 150
Methoxychlor	0.0496	0.0625		ug/L		126	50 - 150
Metolachlor	0.0496	0.0762	^3+	ug/L		154	50 - 150
Molinate	0.0992	0.121		ug/L		122	50 - 150
Naphthalene	0.0992	0.112		ug/L		113	50 - 150
Parathion	0.0992	0.106		ug/L		107	50 - 150
Pendimethalin (Penoxaline)	0.0992	0.100		ug/L		101	50 - 150
Phenanthrene	0.0397	0.0526		ug/L		133	50 - 150
Propachlor	0.0496	0.0639		ug/L		129	50 - 150
Pyrene	0.0496	0.0517		ug/L		104	50 - 150
Simazine	0.0496	0.0560		ug/L		113	50 - 150
Terbacil	0.0992	0.154	^3+	ug/L		155	50 - 150
Terbutylazine	0.0992	0.119		ug/L		120	50 - 150
Thiobencarb	0.0992	0.125		ug/L		126	50 - 150
trans-Nonachlor	0.0248	0.0313	J	ug/L		126	50 - 150
Trifluralin	0.0992	0.112		ug/L		112	50 - 150
1-Methylnaphthalene	0.0992	0.129		ug/L		130	50 - 150
2-Methylnaphthalene	0.0992	0.119		ug/L		120	50 - 150

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MRL 380-181363/21-A
Matrix: Water
Analysis Batch: 181709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181363

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	106		70 - 130
Perylene-d12	82		70 - 130
Triphenylphosphate	105		70 - 130

Lab Sample ID: 380-177536-1 MS
Matrix: Drinking Water
Analysis Batch: 181709

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 181363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.099		1.98	2.16		ug/L		109	70 - 130
2,4'-DDE	<0.099		1.98	2.12		ug/L		107	70 - 130
2,4'-DDT	<0.099		1.98	2.20		ug/L		111	70 - 130
2,4-Dinitrotoluene	<0.099	^+	1.98	2.41		ug/L		122	70 - 130
2,6-Dinitrotoluene	<0.099	^3+	1.98	2.42		ug/L		122	70 - 130
4,4'-DDD	<0.099		1.98	2.12		ug/L		107	70 - 130
4,4'-DDE	<0.099		1.98	1.95		ug/L		99	70 - 130
4,4'-DDT	<0.099		1.98	2.19		ug/L		111	70 - 130
Acenaphthene	<0.099		1.98	1.80		ug/L		91	70 - 130
Acenaphthylene	<0.099		1.98	1.85		ug/L		93	70 - 130
Acetochlor	<0.099		1.98	2.28		ug/L		115	70 - 130
Alachlor	<0.049		1.98	2.16		ug/L		109	70 - 130
alpha-BHC	<0.099		1.98	2.13		ug/L		108	70 - 130
alpha-Chlordane	<0.049		1.98	1.94		ug/L		98	70 - 130
Anthracene	<0.020		1.98	1.60		ug/L		81	70 - 130
Atrazine	<0.049		1.98	2.36		ug/L		119	70 - 130
Benz(a)anthracene	<0.049		1.98	1.80		ug/L		91	70 - 130
Benzo[a]pyrene	<0.020		1.98	1.91		ug/L		96	70 - 130
Benzo[b]fluoranthene	<0.020		1.98	1.94		ug/L		98	70 - 130
Benzo[g,h,i]perylene	<0.049		1.98	1.87		ug/L		94	70 - 130
Benzo[k]fluoranthene	<0.020		1.98	2.01		ug/L		102	70 - 130
beta-BHC	<0.099		1.98	2.20		ug/L		111	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.98	2.26		ug/L		114	70 - 130
Aldrin	<0.0099		1.98	1.57		ug/L		80	70 - 130
Bromacil	<0.099		1.98	2.53		ug/L		128	70 - 130
Butachlor	<0.049	^3+	1.98	2.31		ug/L		117	70 - 130
Butylbenzylphthalate	<0.49	^3+	1.98	2.48		ug/L		125	70 - 130
Chlorobenzilate	<0.099		1.98	2.37		ug/L		120	70 - 130
Chloroneb	<0.099		1.98	2.00		ug/L		101	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.98	2.11		ug/L		106	70 - 130
Chlorpyrifos	<0.049		1.98	2.28		ug/L		115	70 - 130
Chrysene	<0.020		1.98	2.03		ug/L		103	70 - 130
delta-BHC	<0.099		1.98	2.15		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.98	2.41		ug/L		122	70 - 130
Dibenz(a,h)anthracene	<0.049		1.98	1.91		ug/L		96	70 - 130
Diclorvos (DDVP)	<0.049		1.98	2.19		ug/L		111	70 - 130
Dieldrin	<0.0099		1.98	1.93		ug/L		98	70 - 130
Diethylphthalate	<0.49		1.98	2.17		ug/L		110	70 - 130
Dimethylphthalate	<0.49		1.98	2.11		ug/L		107	70 - 130

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1 MS

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 181709

Prep Batch: 181363

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Di-n-butyl phthalate	<0.99		3.96	4.55		ug/L		115	70 - 130	
Di-n-octyl phthalate	<0.099		1.98	2.07		ug/L		104	70 - 130	
Endosulfan I (Alpha)	<0.099		1.98	1.97		ug/L		100	70 - 130	
Endosulfan II (Beta)	<0.099		1.98	2.24		ug/L		113	70 - 130	
Endosulfan sulfate	<0.099		1.98	2.21		ug/L		112	70 - 130	
Endrin	<0.0099		1.98	2.31		ug/L		117	70 - 130	
Endrin aldehyde	<0.099		1.98	1.80		ug/L		91	60 - 130	
EPTC	<0.099		1.98	2.08		ug/L		105	70 - 130	
Fluoranthene	<0.099		1.98	2.17		ug/L		110	70 - 130	
Fluorene	<0.049		1.98	1.88		ug/L		95	70 - 130	
gamma-BHC (Lindane)	<0.0099		1.98	2.35		ug/L		119	70 - 130	
gamma-Chlordane	<0.049		1.98	2.03		ug/L		103	70 - 130	
Heptachlor	<0.0099	^3+	1.98	2.32		ug/L		117	70 - 130	
Heptachlor epoxide (isomer B)	<0.0099		1.98	1.92		ug/L		97	70 - 130	
Hexachlorobenzene	<0.049		1.98	2.06		ug/L		104	70 - 130	
Hexachlorocyclopentadiene	<0.049		1.98	2.26		ug/L		114	70 - 130	
Indeno[1,2,3-cd]pyrene	<0.049		1.98	1.90		ug/L		96	70 - 130	
Isophorone	<0.099		1.98	1.87		ug/L		95	70 - 130	
Malathion	<0.099		1.98	2.35		ug/L		119	70 - 130	
Methoxychlor	<0.049		1.98	2.33		ug/L		118	70 - 130	
Metolachlor	<0.049	^3+	1.98	2.30		ug/L		116	70 - 130	
Molinate	<0.099		1.98	2.15		ug/L		109	70 - 130	
Naphthalene	<0.099		1.98	2.01		ug/L		102	70 - 130	
Parathion	<0.099	^+	1.98	2.54		ug/L		128	70 - 130	
Pendimethalin (Penoxaline)	<0.099		1.98	2.32		ug/L		117	70 - 130	
Phenanthrene	<0.040		1.98	1.86		ug/L		94	70 - 130	
Propachlor	<0.049		1.98	2.37		ug/L		120	70 - 130	
Pyrene	<0.049		1.98	2.16		ug/L		109	70 - 130	
Simazine	<0.049		1.98	2.29		ug/L		116	70 - 130	
Terbacil	<0.099	^3+	1.98	2.39		ug/L		121	70 - 130	
Terbutylazine	<0.099		1.98	2.44		ug/L		123	70 - 130	
Thiobencarb	<0.099		1.98	2.06		ug/L		104	70 - 130	
trans-Nonachlor	<0.049		1.98	1.89		ug/L		96	70 - 130	
Trifluralin	<0.099		1.98	2.30		ug/L		116	70 - 130	
1-Methylnaphthalene	<0.099		1.98	1.92		ug/L		96	70 - 130	
2-Methylnaphthalene	<0.099		1.98	1.89		ug/L		95	70 - 130	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	103		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	107		70 - 130

Lab Sample ID: 380-177536-1 MSD

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 181709

Prep Batch: 181363

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
2,4'-DDD	<0.099		1.97	2.12		ug/L		108	70 - 130	1	20	

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1 MSD

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 181709

Prep Batch: 181363

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2,4'-DDE	<0.099		1.97	2.13		ug/L		108	70 - 130	1	20
2,4'-DDT	<0.099		1.97	2.21		ug/L		112	70 - 130	0	20
2,4-Dinitrotoluene	<0.099	^+	1.97	2.41		ug/L		122	70 - 130	0	20
2,6-Dinitrotoluene	<0.099	^3+	1.97	2.24		ug/L		114	70 - 130	8	20
4,4'-DDD	<0.099		1.97	2.14		ug/L		108	70 - 130	1	20
4,4'-DDE	<0.099		1.97	1.94		ug/L		98	70 - 130	1	20
4,4'-DDT	<0.099		1.97	2.19		ug/L		111	70 - 130	0	20
Acenaphthene	<0.099		1.97	1.82		ug/L		93	70 - 130	2	20
Acenaphthylene	<0.099		1.97	1.92		ug/L		97	70 - 130	4	20
Acetochlor	<0.099		1.97	2.23		ug/L		113	70 - 130	2	20
Alachlor	<0.049		1.97	2.14		ug/L		109	70 - 130	1	20
alpha-BHC	<0.099		1.97	2.14		ug/L		109	70 - 130	0	20
alpha-Chlordane	<0.049		1.97	1.99		ug/L		101	70 - 130	2	20
Anthracene	<0.020		1.97	1.58		ug/L		80	70 - 130	1	20
Atrazine	<0.049		1.97	2.41		ug/L		122	70 - 130	2	20
Benz(a)anthracene	<0.049		1.97	1.83		ug/L		93	70 - 130	1	20
Benzo[a]pyrene	<0.020		1.97	1.90		ug/L		96	70 - 130	0	20
Benzo[b]fluoranthene	<0.020		1.97	1.91		ug/L		97	70 - 130	2	20
Benzo[g,h,i]perylene	<0.049		1.97	1.87		ug/L		95	70 - 130	0	20
Benzo[k]fluoranthene	<0.020		1.97	1.96		ug/L		100	70 - 130	3	20
beta-BHC	<0.099		1.97	2.18		ug/L		111	70 - 130	1	20
Bis(2-ethylhexyl) phthalate	<0.59		1.97	2.25		ug/L		114	70 - 130	0	20
Aldrin	<0.0099		1.97	1.57		ug/L		80	70 - 130	0	20
Bromacil	<0.099		1.97	2.46		ug/L		125	70 - 130	3	20
Butachlor	<0.049	^3+	1.97	2.30		ug/L		116	70 - 130	0	20
Butylbenzylphthalate	<0.49	^3+	1.97	2.50		ug/L		127	70 - 130	1	20
Chlorobenzilate	<0.099		1.97	2.42		ug/L		123	70 - 130	2	20
Chloroneb	<0.099		1.97	2.02		ug/L		102	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	<0.099		1.97	2.11		ug/L		107	70 - 130	0	20
Chlorpyrifos	<0.049		1.97	2.27		ug/L		115	70 - 130	0	20
Chrysene	<0.020		1.97	2.00		ug/L		102	70 - 130	2	20
delta-BHC	<0.099		1.97	2.16		ug/L		110	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.59		1.97	2.50		ug/L		127	70 - 130	3	20
Dibenz(a,h)anthracene	<0.049		1.97	1.84		ug/L		93	70 - 130	4	20
Diclorvos (DDVP)	<0.049		1.97	2.14		ug/L		108	70 - 130	3	20
Dieldrin	<0.0099		1.97	1.92		ug/L		97	70 - 130	1	20
Diethylphthalate	<0.49		1.97	2.19		ug/L		111	70 - 130	1	20
Dimethylphthalate	<0.49		1.97	2.09		ug/L		106	70 - 130	1	20
Di-n-butyl phthalate	<0.99		3.94	4.57		ug/L		116	70 - 130	0	20
Di-n-octyl phthalate	<0.099		1.97	2.03		ug/L		103	70 - 130	2	20
Endosulfan I (Alpha)	<0.099		1.97	2.00		ug/L		101	70 - 130	1	20
Endosulfan II (Beta)	<0.099		1.97	2.22		ug/L		113	70 - 130	1	20
Endosulfan sulfate	<0.099		1.97	2.16		ug/L		110	70 - 130	2	20
Endrin	<0.0099		1.97	2.26		ug/L		115	70 - 130	2	20
Endrin aldehyde	<0.099		1.97	1.81		ug/L		92	60 - 130	1	20
EPTC	<0.099		1.97	2.06		ug/L		104	70 - 130	1	20
Fluoranthene	<0.099		1.97	2.18		ug/L		111	70 - 130	1	20
Fluorene	<0.049		1.97	1.90		ug/L		96	70 - 130	1	20
gamma-BHC (Lindane)	<0.0099		1.97	2.34		ug/L		119	70 - 130	1	20

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1 MSD
Matrix: Drinking Water
Analysis Batch: 181709

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 181363

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
gamma-Chlordane	<0.049		1.97	1.99		ug/L		101	70 - 130	2	20
Heptachlor	<0.0099	^3+	1.97	2.31		ug/L		117	70 - 130	1	20
Heptachlor epoxide (isomer B)	<0.0099		1.97	1.90		ug/L		96	70 - 130	1	20
Hexachlorobenzene	<0.049		1.97	2.16		ug/L		110	70 - 130	5	20
Hexachlorocyclopentadiene	<0.049		1.97	2.36		ug/L		120	70 - 130	5	20
Indeno[1,2,3-cd]pyrene	<0.049		1.97	1.87		ug/L		95	70 - 130	2	20
Isophorone	<0.099		1.97	1.82		ug/L		93	70 - 130	3	20
Malathion	<0.099		1.97	2.37		ug/L		120	70 - 130	1	20
Methoxychlor	<0.049		1.97	2.30		ug/L		117	70 - 130	1	20
Metolachlor	<0.049	^3+	1.97	2.27		ug/L		115	70 - 130	1	20
Molinate	<0.099		1.97	2.16		ug/L		110	70 - 130	0	20
Naphthalene	<0.099		1.97	2.01		ug/L		102	70 - 130	0	20
Parathion	<0.099	^+	1.97	2.55		ug/L		129	70 - 130	0	20
Pendimethalin (Penoxaline)	<0.099		1.97	2.38		ug/L		121	70 - 130	3	20
Phenanthrene	<0.040		1.97	1.85		ug/L		94	70 - 130	1	20
Propachlor	<0.049		1.97	2.36		ug/L		120	70 - 130	0	20
Pyrene	<0.049		1.97	2.16		ug/L		110	70 - 130	0	20
Simazine	<0.049		1.97	2.26		ug/L		115	70 - 130	1	20
Terbacil	<0.099	^3+	1.97	2.45		ug/L		124	70 - 130	2	20
Terbutylazine	<0.099		1.97	2.40		ug/L		122	70 - 130	1	20
Thiobencarb	<0.099		1.97	2.07		ug/L		105	70 - 130	1	20
trans-Nonachlor	<0.049		1.97	1.89		ug/L		96	70 - 130	0	20
Trifluralin	<0.099		1.97	2.27		ug/L		115	70 - 130	1	20
1-Methylnaphthalene	<0.099		1.97	1.95		ug/L		98	70 - 130	2	20
2-Methylnaphthalene	<0.099		1.97	1.95		ug/L		98	70 - 130	3	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	103		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	107		70 - 130

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

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

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

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L			N/A	10/20/25 06:11	10/26/25 04:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	89		33 - 139	10/20/25 06:11	10/26/25 04:12	1
2-Fluorobiphenyl (Surr)	87		33 - 126	10/20/25 06:11	10/26/25 04:12	1
2-Fluorophenol (Surr)	60		12 - 120	10/20/25 06:11	10/26/25 04:12	1
Nitrobenzene-d5 (Surr)	93		36 - 120	10/20/25 06:11	10/26/25 04:12	1
Phenol-d6 (Surr)	34		10 - 120	10/20/25 06:11	10/26/25 04:12	1
p-Terphenyl-d14 (Surr)	83		47 - 131	10/20/25 06:11	10/26/25 04:12	1

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QC Sample Results

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

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

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Phenol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
Pyrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.1		ug/L		76	47 - 120
2,4,5-Trichlorophenol	20.0	15.7		ug/L		79	57 - 120
2,4,6-Trichlorophenol	20.0	15.2		ug/L		76	52 - 129
2,4-Dichlorophenol	20.0	16.2		ug/L		81	53 - 122
2,4-Dinitrophenol	20.0	15.3		ug/L		76	1 - 173
2,6-Dichlorophenol	20.0	16.4		ug/L		82	50 - 120
2-Chloronaphthalene	20.0	14.0		ug/L		70	65 - 120
2-Chlorophenol	20.0	15.9		ug/L		79	36 - 120
2-Methylnaphthalene	20.0	14.9		ug/L		75	43 - 120
2-Methylphenol	20.0	14.5		ug/L		72	46 - 120
2-Nitroaniline	20.0	12.7		ug/L		63	51 - 125
2-Nitrophenol	20.0	15.2		ug/L		76	45 - 167
3/4-Methylphenol	40.0	27.1		ug/L		68	29 - 120
3-Nitroaniline	20.0	<0.58	*-	ug/L		2	62 - 129
4,6-Dinitro-2-methylphenol	20.0	15.1		ug/L		75	53 - 130
4-Bromophenyl phenyl ether	20.0	14.0		ug/L		70	65 - 120
4-Chloro-3-methylphenol	20.0	16.3		ug/L		82	41 - 128
4-Chloroaniline	20.0	0.798	J *-	ug/L		4	51 - 120
4-Chlorophenyl phenyl ether	20.0	14.6		ug/L		73	38 - 145
4-Nitroaniline	20.0	1.51	J *-	ug/L		8	64 - 129
4-Nitrophenol	20.0	7.23		ug/L		36	13 - 129
Acenaphthene	20.0	14.3		ug/L		71	60 - 132
Acenaphthylene	20.0	13.7		ug/L		68	54 - 126
Aniline	20.0	<0.11	*-	ug/L		0	52 - 121
Anthracene	20.0	13.1		ug/L		66	43 - 120
Benzidine	20.0	<0.94	*-	ug/L		0.04	20 - 164
Benzo[a]anthracene	20.0	14.8		ug/L		74	42 - 133
Benzo[a]pyrene	20.0	11.1		ug/L		56	32 - 148
Benzo[b]fluoranthene	20.0	14.0		ug/L		70	42 - 140
Benzo[g,h,i]perylene	20.0	14.8		ug/L		74	1 - 195
Benzo[k]fluoranthene	20.0	13.4		ug/L		67	25 - 146

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzoic acid	20.0	8.74	J	ug/L		44	20 - 120
Benzyl alcohol	20.0	17.0		ug/L		85	44 - 122
Bis(2-chloroethoxy)methane	20.0	14.7		ug/L		73	49 - 165
Bis(2-chloroethyl)ether	20.0	14.5		ug/L		73	43 - 126
bis (2-Chloroisopropyl) ether	20.0	17.6		ug/L		88	63 - 139
Chrysene	20.0	15.2		ug/L		76	44 - 140
Dibenz(a,h)anthracene	20.0	17.1		ug/L		85	1 - 200
Dibenzofuran	20.0	14.8		ug/L		74	48 - 120
Fluoranthene	20.0	15.5		ug/L		77	43 - 121
Fluorene	20.0	14.8		ug/L		74	70 - 120
Hexachloroethane	20.0	14.3		ug/L		71	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	15.4		ug/L		77	1 - 151
Naphthalene	20.0	14.9		ug/L		74	36 - 120
Nitrobenzene	20.0	15.3		ug/L		76	54 - 158
N-Nitrosodi-n-propylamine	20.0	17.6		ug/L		88	14 - 198
N-Nitrosodiphenylamine	20.0	8.77	*-	ug/L		44	65 - 133
Pentachlorophenol	20.0	16.3		ug/L		82	38 - 152
Phenanthrene	20.0	14.6		ug/L		73	65 - 120
Phenol	20.0	7.55		ug/L		38	17 - 120
Pyrene	20.0	16.2		ug/L		81	70 - 120

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	13.6		ug/L		68	47 - 120	11	20
2,4,5-Trichlorophenol	20.0	16.6		ug/L		83	57 - 120	5	20
2,4,6-Trichlorophenol	20.0	16.2		ug/L		81	52 - 129	6	35
2,4-Dichlorophenol	20.0	14.8		ug/L		74	53 - 122	10	30
2,4-Dinitrophenol	20.0	16.0		ug/L		80	1 - 173	5	79
2,6-Dichlorophenol	20.0	14.5		ug/L		73	50 - 120	12	20
2-Chloronaphthalene	20.0	14.8		ug/L		74	65 - 120	5	15
2-Chlorophenol	20.0	17.1		ug/L		86	36 - 120	8	37
2-Methylnaphthalene	20.0	13.4		ug/L		67	43 - 120	10	20
2-Methylphenol	20.0	15.6		ug/L		78	46 - 120	7	20
2-Nitroaniline	20.0	19.1	*1	ug/L		95	51 - 125	41	20
2-Nitrophenol	20.0	13.8		ug/L		69	45 - 167	10	33
3/4-Methylphenol	40.0	29.5		ug/L		74	29 - 120	9	20
3-Nitroaniline	20.0	17.2	*1	ug/L		86	62 - 129	191	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	81		28 - 127
2-Fluorobiphenyl (Surr)	75		31 - 120
2-Fluorophenol (Surr)	58		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.19	F2	19.5	8.19		ug/L		42	36 - 120
2,4,5-Trichlorophenol	<4.8	F2	19.5	9.64		ug/L		49	21 - 145
2,4,6-Trichlorophenol	<0.96		19.5	9.18		ug/L		47	37 - 144
2,4-Dichlorophenol	<0.96	F2	19.5	8.79		ug/L		45	39 - 135
2,4-Dinitrophenol	<4.8		19.5	<4.9		ug/L		24	1 - 191
2,6-Dichlorophenol	<4.8	F2	19.5	8.76		ug/L		45	24 - 134
2-Chloronaphthalene	<0.19	F1 F2	19.5	8.51	F1	ug/L		44	60 - 120
2-Chlorophenol	<0.19		19.5	9.33		ug/L		48	23 - 143
2-Methylnaphthalene	<0.19	F2	19.5	8.02		ug/L		41	32 - 124
2-Methylphenol	<0.96	F2	19.5	8.65		ug/L		44	10 - 135
2-Nitroaniline	<4.8	*1 F2	19.5	10.9		ug/L		56	10 - 147
2-Nitrophenol	<4.8	F2	19.5	8.18		ug/L		42	29 - 182
3/4-Methylphenol	<1.9	F2	39.0	15.8		ug/L		41	10 - 118
3-Nitroaniline	<4.8	*- *1 F1	19.5	10.1		ug/L		52	10 - 153
4,6-Dinitro-2-methylphenol	<4.8		19.5	8.18		ug/L		42	1 - 181
4-Bromophenyl phenyl ether	<0.19	F1 F2	19.5	8.60	F1	ug/L		44	53 - 127
4-Chloro-3-methylphenol	<0.96		19.5	8.73		ug/L		45	22 - 147
4-Chloroaniline	<4.8	*- *1 F1	19.5	8.06		ug/L		41	10 - 131
4-Chlorophenyl phenyl ether	<0.19	F2	19.5	9.15		ug/L		47	25 - 158
4-Nitroaniline	<4.8	*- *1 F2	19.5	10.3		ug/L		53	10 - 180
4-Nitrophenol	<4.8		19.5	<4.9		ug/L		18	1 - 132
Acenaphthene	<0.19	F1 F2	19.5	8.72	F1	ug/L		45	47 - 145
Acenaphthylene	<0.19		19.5	9.00		ug/L		46	33 - 145
Aniline	<0.19	*- *1 F1	19.5	3.59		ug/L		18	10 - 113
Anthracene	<0.19		19.5	8.84		ug/L		45	27 - 133
Benzidine	<4.8	*- *1 F1	19.5	<4.9	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.19		19.5	9.14		ug/L		47	33 - 143
Benzo[a]pyrene	<0.19		19.5	8.73		ug/L		45	17 - 163
Benzo[b]fluoranthene	<0.19		19.5	8.91		ug/L		46	24 - 159
Benzo[g,h,i]perylene	<0.19		19.5	7.66		ug/L		39	1 - 219
Benzo[k]fluoranthene	<0.19		19.5	8.88		ug/L		46	11 - 162
Benzoic acid	<9.6	F1	19.5	<9.7	F1	ug/L		0	10 - 97
Benzyl alcohol	<0.96	F2	19.5	8.35		ug/L		43	10 - 122
Bis(2-chloroethoxy)methane	<0.19	F2	19.5	9.03		ug/L		46	33 - 184
Bis(2-chloroethyl)ether	<0.19		19.5	9.47		ug/L		49	12 - 158
bis (2-Chloroisopropyl) ether	<0.19		19.5	10.4		ug/L		54	36 - 166
Chrysene	<0.19		19.5	9.23		ug/L		47	17 - 168
Dibenz(a,h)anthracene	<0.19		19.5	7.89		ug/L		40	1 - 227
Dibenzofuran	<0.19	F2	19.5	9.20		ug/L		47	42 - 111
Fluoranthene	<0.19		19.5	9.71		ug/L		50	26 - 137
Fluorene	<0.19	F1 F2	19.5	9.31	F1	ug/L		48	59 - 121
Hexachloroethane	<0.19	F2	19.5	8.09		ug/L		42	40 - 120
Indeno[1,2,3-cd]pyrene	<0.19		19.5	7.75		ug/L		40	1 - 171
Naphthalene	<0.19		19.5	7.81		ug/L		40	21 - 133
Nitrobenzene	<0.19		19.5	8.33		ug/L		43	35 - 180
N-Nitrosodi-n-propylamine	<0.19		19.5	10.5		ug/L		54	1 - 230
N-Nitrosodiphenylamine	<0.19	*- *1	19.5	11.1		ug/L		57	10 - 179

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Pentachlorophenol	<0.96		19.5	9.21		ug/L		47		14 - 176
Phenanthrene	<0.19	F1 F2	19.5	9.00	F1	ug/L		46		54 - 120
Phenol	<0.96		19.5	4.01		ug/L		21		5 - 120
Pyrene	<0.19	F1	19.5	9.98	F1	ug/L		51		52 - 120
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
2,4,6-Tribromophenol (Surr)	48		28 - 127							
2-Fluorobiphenyl (Surr)	44		31 - 120							
2-Fluorophenol (Surr)	29		17 - 120							
Nitrobenzene-d5 (Surr)	44		27 - 120							
Phenol-d6 (Surr)	20		10 - 120							
p-Terphenyl-d14 (Surr)	50		45 - 120							

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

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1-Methylnaphthalene	<0.19	F2	19.4	15.9	F2	ug/L		82		64	30
2,4,5-Trichlorophenol	<4.8	F2	19.4	16.1	F2	ug/L		83		50	30
2,4,6-Trichlorophenol	<0.96		19.4	15.6		ug/L		80		52	58
2,4-Dichlorophenol	<0.96	F2	19.4	16.7	F2	ug/L		86		62	50
2,4-Dinitrophenol	<4.8		19.4	16.3		ug/L		84		110	132
2,6-Dichlorophenol	<4.8	F2	19.4	16.9	F2	ug/L		87		64	30
2-Chloronaphthalene	<0.19	F1 F2	19.4	14.5	F2	ug/L		75		52	24
2-Chlorophenol	<0.19		19.4	16.3		ug/L		84		54	61
2-Methylnaphthalene	<0.19	F2	19.4	15.8	F2	ug/L		81		65	30
2-Methylphenol	<0.96	F2	19.4	14.9	F2	ug/L		77		53	30
2-Nitroaniline	<4.8	*1 F2	19.4	16.8	F2	ug/L		86		43	30
2-Nitrophenol	<4.8	F2	19.4	15.6	F2	ug/L		80		62	55
3/4-Methylphenol	<1.9	F2	38.8	27.4	F2	ug/L		70		53	30
3-Nitroaniline	<4.8	*- *1 F1	19.4	<4.9	F1	ug/L		0		NC	30
4,6-Dinitro-2-methylphenol	<4.8		19.4	16.0		ug/L		83		65	203
4-Bromophenyl phenyl ether	<0.19	F1 F2	19.4	14.4	F2	ug/L		74		50	43
4-Chloro-3-methylphenol	<0.96		19.4	16.8		ug/L		87		63	73
4-Chloroaniline	<4.8	*- *1 F1	19.4	<4.9	F1 F2	ug/L		3		169	30
4-Chlorophenyl phenyl ether	<0.19		19.4	15.1		ug/L		78		49	61
4-Nitroaniline	<4.8	*- *1 F2	19.4	<4.9	F2	ug/L		18		98	30
4-Nitrophenol	<4.8		19.4	7.23		ug/L		37		72	131
Acenaphthene	<0.19	F1 F2	19.4	14.9	F2	ug/L		77		52	48
Acenaphthylene	<0.19		19.4	14.7		ug/L		76		48	74
Aniline	<0.19	*- *1 F1	19.4	0.292	F1 F2	ug/L		2		170	30
Anthracene	<0.19		19.4	14.6		ug/L		75		49	66
Benzidine	<4.8	*- *1 F1	19.4	<4.9	F1	ug/L		0		NC	30
Benzo[a]anthracene	<0.19		19.4	15.5		ug/L		80		51	53
Benzo[a]pyrene	<0.19		19.4	14.3		ug/L		74		49	72
Benzo[b]fluoranthene	<0.19		19.4	15.1		ug/L		78		52	71

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

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

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

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

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

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			10/25/25 12:55	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	79		38 - 134		10/25/25 12:55	1

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	361		ug/L		90	78 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	78		38 - 134				

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	400	404	*1	ug/L		101	78 - 120	11	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	81		38 - 134						

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

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

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

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	<10	*1	400	359		ug/L		90	68 - 122
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	81		38 - 134						

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

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10	*1	400	394		ug/L		99	68 - 122	9	18

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		38 - 134

Lab Sample ID: MB 570-646186/35
Matrix: Water
Analysis Batch: 646186

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10	Qualifier	10	ug/L	-		10/25/25 23:33	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene (Surr)	78		38 - 134		10/25/25 23:33	1

Lab Sample ID: LCS 570-646186/33
Matrix: Water
Analysis Batch: 646186

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Gasoline Range Organics (C4-C13)	400	384		ug/L	-	96		78 - 120

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		38 - 134

Lab Sample ID: LCSD 570-646186/34
Matrix: Water
Analysis Batch: 646186

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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Added	Result	Qualifier							
Gasoline Range Organics (C4-C13)	400	370		ug/L	-	92		78 - 120	4	10

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		38 - 134

Lab Sample ID: MRL 570-646186/32
Matrix: Water
Analysis Batch: 646186

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

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec	Limits
	Added	Result	Qualifier					
Gasoline Range Organics (C4-C13)	10.0	8.21	J	ug/L	-	82		50 - 150

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		38 - 134

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-178571-C-1 MS
Matrix: Water
Analysis Batch: 646186

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	382		ug/L		96	68 - 122
Surrogate		MS %Recovery		MS Qualifier					Limits
4-Bromofluorobenzene (Surr)		83							38 - 134

Lab Sample ID: 380-178571-C-1 MSD
Matrix: Water
Analysis Batch: 646186

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	378		ug/L		95	68 - 122	1	18
Surrogate		MSD %Recovery		MSD Qualifier							
4-Bromofluorobenzene (Surr)		87									

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

Lab Sample ID: MBL 380-181235/4-A
Matrix: Water
Analysis Batch: 181467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 181235

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		10/21/25 18:21	10/21/25 20:48	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		10/21/25 18:21	10/21/25 20:48	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		10/21/25 18:21	10/21/25 20:48	1
Surrogate		MBL %Recovery				Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)		89				10/21/25 18:21	10/21/25 20:48	1

Lab Sample ID: LCS 380-181235/29-A
Matrix: Water
Analysis Batch: 181467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.200	0.208		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	0.200	0.189		ug/L		95	70 - 130
1,2-Dibromoethane	0.200	0.204		ug/L		102	70 - 130
Surrogate		LCS %Recovery					
1,2-Dibromopropane (Surr)		100					60 - 140

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MRL 380-181235/2-A
Matrix: Water
Analysis Batch: 181467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181235

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0200	0.0188	J	ug/L		94	60 - 140
Surrogate							
	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dibromopropane (Surr)	90		60 - 140				

Lab Sample ID: MRL 380-181235/3-A
Matrix: Water
Analysis Batch: 181467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 181235

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0500	0.0512		ug/L		102	60 - 140
1,2-Dibromo-3-Chloropropane	0.0100	0.00977	J	ug/L		98	60 - 140
1,2-Dibromoethane	0.0100	0.00981	J	ug/L		98	60 - 140
Surrogate							
	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dibromopropane (Surr)	105		60 - 140				

Lab Sample ID: 380-177093-F-1-A MS
Matrix: Water
Analysis Batch: 181467

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 181235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	<0.021		1.26	1.27		ug/L		101	65 - 135
1,2-Dibromo-3-Chloropropane	<0.010		0.252	0.246		ug/L		98	65 - 135
1,2-Dibromoethane	<0.010		0.252	0.267		ug/L		106	65 - 135
Surrogate									
	MS %Recovery	MS Qualifier	Limits						
1,2-Dibromopropane (Surr)	103		60 - 140						

Lab Sample ID: 380-177094-E-1-A DU
Matrix: Water
Analysis Batch: 181467

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 181235

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,2,3-Trichloropropane	<0.020		<0.020		ug/L		NC	20
1,2-Dibromo-3-Chloropropane	<0.010		<0.010		ug/L		NC	20
1,2-Dibromoethane	<0.010		<0.010		ug/L		NC	20
Surrogate								
	DU %Recovery	DU Qualifier	Limits					
1,2-Dibromopropane (Surr)	98		60 - 140					

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 505 - Organochlorine Pesticides/PCBs (GC)

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

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

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

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

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

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

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

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

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

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

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	107		70 - 130

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

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

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

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

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chlordane (n.o.s.)	0.500	0.565		ug/L		113	70 - 130	4	20
Surrogate		LCSD %Recovery	LCSD Qualifier						Limits
<i>Tetrachloro-m-xylene</i>		107							70 - 130

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

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

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

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

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

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

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

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

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

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

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

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

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

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

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

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

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

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

Lab Sample ID: MB 570-642798/1-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642798

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (C10-C24)	<25		25	ug/L		10/19/25 10:24	10/26/25 23:17	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		10/19/25 10:24	10/26/25 23:17	1
C8-C18	<25		25	ug/L		10/19/25 10:24	10/26/25 23:17	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	88		60 - 130			10/19/25 10:24	10/26/25 23:17	1

Lab Sample ID: LCS 570-642798/2-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642798

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
C10-C28	1600	1780		ug/L		111		56 - 127
Surrogate	LCS Qualifier	LCS	Limits					
n-Octacosane (Surr)		108	60 - 130					

Lab Sample ID: LCSD 570-642798/3-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642798

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
		Result	Qualifier						Limit	
C10-C28	1600	1560		ug/L		97		56 - 127	13	23

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCSD 570-642798/3-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642798

	LCSD %Recovery	LCSD Qualifier	Limits
<i>Surrogate</i> <i>n-Octacosane (Surr)</i>	90		60 - 130

Lab Sample ID: MRL 570-642798/4-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642798

	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Analyte C10-C28	0.0200	0.0298		mg/L	-	149	50 - 150

	MRL %Recovery	MRL Qualifier	Limits
<i>Surrogate</i> <i>n-Octacosane (Surr)</i>	101		60 - 130

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

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

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

	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Ethanol	<0.10	^3+	0.10	mg/L	-		10/21/25 19:08	1

	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Surrogate</i> <i>Hexafluoro-2-propanol (Surr)</i>	96		54 - 120		10/21/25 19:08	1

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

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

	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Analyte Ethanol	2.00	2.19		mg/L	-	109	78 - 131

	LCS %Recovery	LCS Qualifier	Limits
<i>Surrogate</i> <i>Hexafluoro-2-propanol (Surr)</i>	100		54 - 120

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

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

	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Analyte Ethanol	2.00	2.17		mg/L	-	109	78 - 131	1	25

	LCSD %Recovery	LCSD Qualifier	Limits
<i>Surrogate</i> <i>Hexafluoro-2-propanol (Surr)</i>	95		54 - 120

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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

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

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

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

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

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

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

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-180392/4
Matrix: Water
Analysis Batch: 180392

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050	mg/L			10/16/25 10:30	1
Nitrite as N	<0.050		0.050	mg/L			10/16/25 10:30	1

Lab Sample ID: LCS 380-180392/6
Matrix: Water
Analysis Batch: 180392

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	2.45		mg/L		98	90 - 110
Nitrite as N	1.00	0.982		mg/L		98	90 - 110

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 380-180392/7
Matrix: Water
Analysis Batch: 180392

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	2.45		mg/L		98	90 - 110	0	20
Nitrite as N	1.00	0.980		mg/L		98	90 - 110	0	20

Lab Sample ID: MRL 380-180392/5
Matrix: Water
Analysis Batch: 180392

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.0500	0.0499	J	mg/L		100	50 - 150
Nitrite as N	0.0500	0.0449	J	mg/L		90	50 - 150

Lab Sample ID: 380-177536-2 MS
Matrix: Drinking Water
Analysis Batch: 180392

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.56		1.25	1.82		mg/L		101	80 - 120
Nitrite as N	<0.050		0.500	0.489		mg/L		98	80 - 120

Lab Sample ID: 380-177536-2 MSD
Matrix: Drinking Water
Analysis Batch: 180392

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
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	0.56		1.25	1.83		mg/L		102	80 - 120	0	20
Nitrite as N	<0.050		0.500	0.489		mg/L		98	80 - 120	0	20

Lab Sample ID: MB 380-180393/4
Matrix: Water
Analysis Batch: 180393

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.25		0.25	mg/L			10/16/25 10:30	1

Lab Sample ID: LCS 380-180393/6
Matrix: Water
Analysis Batch: 180393

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.0	50.2		mg/L		100	90 - 110

Lab Sample ID: LCSD 380-180393/7
Matrix: Water
Analysis Batch: 180393

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
Sulfate	50.0	50.1		mg/L		100	90 - 110	0	20

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-180393/5
Matrix: Water
Analysis Batch: 180393

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	0.250	0.244	J	mg/L		97	50 - 150

Lab Sample ID: 380-177481-A-4 MSD
Matrix: Water
Analysis Batch: 180393

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
Sulfate	52		25.0	77.6		mg/L		101	80 - 120	1	20

Lab Sample ID: 380-177536-2 MS
Matrix: Drinking Water
Analysis Batch: 180393

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	73	E	12.5	82.4	E 4	mg/L		75	80 - 120
Sulfate	12		25.0	38.0		mg/L		106	80 - 120

Lab Sample ID: 380-177536-2 MSD
Matrix: Drinking Water
Analysis Batch: 180393

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	12		25.0	37.9		mg/L		106	80 - 120	0	20

Lab Sample ID: MB 380-180640/4
Matrix: Water
Analysis Batch: 180640

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050	mg/L			10/17/25 10:31	1
Nitrite as N	<0.050		0.050	mg/L			10/17/25 10:31	1

Lab Sample ID: LCS 380-180640/6
Matrix: Water
Analysis Batch: 180640

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	2.44		mg/L		97	90 - 110
Nitrite as N	1.00	1.01		mg/L		101	90 - 110

Lab Sample ID: LCSD 380-180640/7
Matrix: Water
Analysis Batch: 180640

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	2.44		mg/L		97	90 - 110	0	20
Nitrite as N	1.00	1.01		mg/L		101	90 - 110	0	20

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-180640/5
Matrix: Water
Analysis Batch: 180640

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.0500	0.0486	J	mg/L		97	50 - 150
Nitrite as N	0.0500	0.0487	J	mg/L		97	50 - 150

Lab Sample ID: 380-177863-B-1 MS
Matrix: Water
Analysis Batch: 180640

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	5.8		1.25	7.06	4	mg/L		101	80 - 120
Nitrite as N	<0.050		0.500	0.508		mg/L		102	80 - 120

Lab Sample ID: 380-177863-B-1 MSD
Matrix: Water
Analysis Batch: 180640

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	5.8		1.25	7.06	4	mg/L		101	80 - 120	0	20
Nitrite as N	<0.050		0.500	0.511		mg/L		102	80 - 120	1	20

Lab Sample ID: MB 380-180641/4
Matrix: Water
Analysis Batch: 180641

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50	mg/L			10/17/25 10:31	1

Lab Sample ID: LCS 380-180641/6
Matrix: Water
Analysis Batch: 180641

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	25.0		mg/L		100	90 - 110

Lab Sample ID: LCSD 380-180641/7
Matrix: Water
Analysis Batch: 180641

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	25.0		mg/L		100	90 - 110	0	20

Lab Sample ID: MRL 380-180641/5
Matrix: Water
Analysis Batch: 180641

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	0.462	J	mg/L		92	50 - 150

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 380-177863-B-1 MS
Matrix: Water
Analysis Batch: 180641

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	8.2		12.5	21.3		mg/L		105	80 - 120

Lab Sample ID: 380-177863-B-1 MSD
Matrix: Water
Analysis Batch: 180641

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	8.2		12.5	21.3		mg/L		105	80 - 120	0	20

Lab Sample ID: MB 380-180682/40
Matrix: Water
Analysis Batch: 180682

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50	mg/L			10/17/25 16:35	1

Lab Sample ID: LCS 380-180682/42
Matrix: Water
Analysis Batch: 180682

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	25.1		mg/L		100	90 - 110

Lab Sample ID: LCSD 380-180682/43
Matrix: Water
Analysis Batch: 180682

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	25.0		mg/L		100	90 - 110	0	20

Lab Sample ID: MRL 380-180682/41
Matrix: Water
Analysis Batch: 180682

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	0.451	J	mg/L		90	50 - 150

Lab Sample ID: 175-1152-C-1 MS
Matrix: Water
Analysis Batch: 180682

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	2.7		12.5	15.8		mg/L		105	80 - 120

Lab Sample ID: 175-1152-C-1 MSD
Matrix: Water
Analysis Batch: 180682

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	2.7		12.5	15.9		mg/L		105	80 - 120	0	20

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 380-177599-A-5 MS
Matrix: Water
Analysis Batch: 180682

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	83	F1	25.0	102	E F1	mg/L		77	80 - 120

Lab Sample ID: 380-177599-A-5 MSD
Matrix: Water
Analysis Batch: 180682

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	83	F1	25.0	102	E F1	mg/L		77	80 - 120	0	20

Lab Sample ID: MB 380-180982/6
Matrix: Water
Analysis Batch: 180982

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0	ug/L			10/20/25 17:03	1

Lab Sample ID: LCS 380-180982/7
Matrix: Water
Analysis Batch: 180982

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	95.8		ug/L		96	90 - 110

Lab Sample ID: LCSD 380-180982/8
Matrix: Water
Analysis Batch: 180982

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	100	95.0		ug/L		95	90 - 110	1	10

Lab Sample ID: MRL 380-180982/5
Matrix: Water
Analysis Batch: 180982

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	5.53		ug/L		111	75 - 125

Lab Sample ID: 380-177498-AC-1 MS
Matrix: Water
Analysis Batch: 180982

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	310		50.0	354	4	ug/L		92	80 - 120

Lab Sample ID: 380-177498-AC-1 MSD
Matrix: Water
Analysis Batch: 180982

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	310		50.0	354	4	ug/L		92	80 - 120	0	20

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-181057/91
Matrix: Water
Analysis Batch: 181057

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.031		0.10	mg/L			10/20/25 14:05	1
Magnesium	<0.0099		0.10	mg/L			10/20/25 14:05	1
Potassium	<0.044		0.10	mg/L			10/20/25 14:05	1
Sodium	<0.019		0.10	mg/L			10/20/25 14:05	1

Lab Sample ID: LCS 380-181057/93
Matrix: Water
Analysis Batch: 181057

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	49.6		mg/L		99	85 - 115
Magnesium	20.0	20.3		mg/L		101	85 - 115
Potassium	20.0	20.2		mg/L		101	85 - 115
Sodium	50.0	50.1		mg/L		100	85 - 115

Lab Sample ID: LCSD 380-181057/94
Matrix: Water
Analysis Batch: 181057

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	49.6		mg/L		99	85 - 115	0	20
Magnesium	20.0	20.2		mg/L		101	85 - 115	0	20
Potassium	20.0	20.2		mg/L		101	85 - 115	0	20
Sodium	50.0	50.1		mg/L		100	85 - 115	0	20

Lab Sample ID: LLCS 380-181057/92
Matrix: Water
Analysis Batch: 181057

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	0.101		mg/L		101	50 - 150
Magnesium	0.100	0.0959	J	mg/L		96	50 - 150
Potassium	0.100	0.0909	J	mg/L		91	50 - 150
Sodium	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: 380-177530-A-2 MS
Matrix: Water
Analysis Batch: 181057

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	43		50.0	89.4		mg/L		92	70 - 130
Magnesium	13		20.0	32.3		mg/L		97	70 - 130
Potassium	0.73		20.0	20.5		mg/L		99	70 - 130
Sodium	6.5		50.0	55.4		mg/L		98	70 - 130

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177530-A-2 MSD
Matrix: Water
Analysis Batch: 181057

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	43		50.0	89.3		mg/L		92	70 - 130	0	20
Magnesium	13		20.0	32.1		mg/L		96	70 - 130	1	20
Potassium	0.73		20.0	20.3		mg/L		98	70 - 130	1	20
Sodium	6.5		50.0	54.9		mg/L		97	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-181050/15
Matrix: Water
Analysis Batch: 181050

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.48		1.0	ug/L			10/20/25 12:34	1
Arsenic	<0.25		1.0	ug/L			10/20/25 12:34	1
Beryllium	<0.12		0.30	ug/L			10/20/25 12:34	1
Cadmium	<0.081		0.50	ug/L			10/20/25 12:34	1
Chromium	<0.33		0.90	ug/L			10/20/25 12:34	1
Copper	<0.28		1.0	ug/L			10/20/25 12:34	1
Lead	<0.084		0.50	ug/L			10/20/25 12:34	1
Nickel	<0.38		1.0	ug/L			10/20/25 12:34	1
Selenium	<0.25		2.0	ug/L			10/20/25 12:34	1
Silver	<0.30		0.50	ug/L			10/20/25 12:34	1
Thallium	<0.10		0.30	ug/L			10/20/25 12:34	1
Zinc	<1.3		5.0	ug/L			10/20/25 12:34	1

Lab Sample ID: LCS 380-181050/17
Matrix: Water
Analysis Batch: 181050

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	50.2		ug/L		100	85 - 115
Arsenic	50.0	51.4		ug/L		103	85 - 115
Beryllium	50.0	49.3		ug/L		99	85 - 115
Cadmium	50.0	50.1		ug/L		100	85 - 115
Chromium	50.0	50.6		ug/L		101	85 - 115
Copper	50.0	51.6		ug/L		103	85 - 115
Lead	50.0	50.6		ug/L		101	85 - 115
Nickel	50.0	50.3		ug/L		101	85 - 115
Selenium	50.0	51.3		ug/L		103	85 - 115
Silver	50.0	51.3		ug/L		103	85 - 115
Thallium	50.0	50.6		ug/L		101	85 - 115
Zinc	50.0	50.7		ug/L		101	85 - 115

Lab Sample ID: LCSD 380-181050/18
Matrix: Water
Analysis Batch: 181050

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	50.0		ug/L		100	85 - 115	0	20

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QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCSD 380-181050/18
Matrix: Water
Analysis Batch: 181050

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
Arsenic	50.0	51.2		ug/L		102	85 - 115	0	20
Beryllium	50.0	49.1		ug/L		98	85 - 115	0	20
Cadmium	50.0	50.0		ug/L		100	85 - 115	0	20
Chromium	50.0	50.2		ug/L		100	85 - 115	1	20
Copper	50.0	51.4		ug/L		103	85 - 115	0	20
Lead	50.0	50.5		ug/L		101	85 - 115	0	20
Nickel	50.0	50.1		ug/L		100	85 - 115	0	20
Selenium	50.0	50.9		ug/L		102	85 - 115	1	20
Silver	50.0	50.7		ug/L		101	85 - 115	1	20
Thallium	50.0	50.8		ug/L		102	85 - 115	0	20
Zinc	50.0	49.9		ug/L		100	85 - 115	2	20

Lab Sample ID: LLCS 380-181050/16
Matrix: Water
Analysis Batch: 181050

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.01		ug/L		101	50 - 150
Arsenic	1.00	0.996	J	ug/L		100	50 - 150
Beryllium	0.300	0.307		ug/L		102	50 - 150
Cadmium	0.500	0.488	J	ug/L		98	50 - 150
Chromium	0.900	0.965		ug/L		107	50 - 150
Copper	1.00	1.04		ug/L		104	50 - 150
Lead	0.500	0.507		ug/L		101	50 - 150
Nickel	1.00	1.05		ug/L		105	50 - 150
Selenium	2.00	2.07		ug/L		104	50 - 150
Silver	0.500	0.522		ug/L		104	50 - 150
Thallium	0.300	0.310		ug/L		103	50 - 150
Zinc	5.00	5.21		ug/L		104	50 - 150

Lab Sample ID: 380-177530-A-4 MS
Matrix: Water
Analysis Batch: 181050

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	56.2		ug/L		112	70 - 130
Arsenic	<1.0		50.0	58.9		ug/L		118	70 - 130
Beryllium	<0.30		50.0	53.5		ug/L		107	70 - 130
Cadmium	<0.50		50.0	53.2		ug/L		106	70 - 130
Chromium	1.4		50.0	53.3		ug/L		104	70 - 130
Copper	1.5		50.0	52.3		ug/L		102	70 - 130
Lead	<0.50		50.0	50.3		ug/L		101	70 - 130
Nickel	<1.0		50.0	51.0		ug/L		100	70 - 130
Selenium	<2.0	F1	50.0	65.5	F1	ug/L		131	70 - 130
Silver	<0.50	F2	50.0	50.6		ug/L		101	70 - 130
Thallium	<0.30		50.0	51.1		ug/L		102	70 - 130
Zinc	<5.0		50.0	55.0		ug/L		110	70 - 130

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177530-A-4 MSD
Matrix: Water
Analysis Batch: 181050

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<1.0		50.0	53.1		ug/L		106	70 - 130	6	20
Arsenic	<1.0		50.0	59.5		ug/L		119	70 - 130	1	20
Beryllium	<0.30		50.0	53.6		ug/L		107	70 - 130	0	20
Cadmium	<0.50		50.0	53.8		ug/L		108	70 - 130	1	20
Chromium	1.4		50.0	53.7		ug/L		105	70 - 130	1	20
Copper	1.5		50.0	52.5		ug/L		102	70 - 130	0	20
Lead	<0.50		50.0	50.6		ug/L		101	70 - 130	1	20
Nickel	<1.0		50.0	51.2		ug/L		101	70 - 130	0	20
Selenium	<2.0	F1	50.0	65.9	F1	ug/L		132	70 - 130	1	20
Silver	<0.50	F2	50.0	39.1	F2	ug/L		78	70 - 130	26	20
Thallium	<0.30		50.0	50.9		ug/L		102	70 - 130	0	20
Zinc	<5.0		50.0	55.2		ug/L		110	70 - 130	0	20

Lab Sample ID: MBL 380-181679/184
Matrix: Water
Analysis Batch: 181679

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.48		1.0	ug/L			10/22/25 17:40	1
Arsenic	<0.25		1.0	ug/L			10/22/25 17:40	1
Beryllium	<0.12		0.30	ug/L			10/22/25 17:40	1
Cadmium	<0.081		0.50	ug/L			10/22/25 17:40	1
Chromium	<0.33		0.90	ug/L			10/22/25 17:40	1
Copper	<0.28		1.0	ug/L			10/22/25 17:40	1
Lead	<0.084		0.50	ug/L			10/22/25 17:40	1
Nickel	<0.38		1.0	ug/L			10/22/25 17:40	1
Selenium	<0.25		2.0	ug/L			10/22/25 17:40	1
Silver	<0.30		0.50	ug/L			10/22/25 17:40	1
Thallium	<0.10		0.30	ug/L			10/22/25 17:40	1
Zinc	<1.3		5.0	ug/L			10/22/25 17:40	1

Lab Sample ID: LCS 380-181679/186
Matrix: Water
Analysis Batch: 181679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	49.8		ug/L		100	85 - 115
Arsenic	50.0	50.8		ug/L		102	85 - 115
Beryllium	50.0	48.4		ug/L		97	85 - 115
Cadmium	50.0	49.6		ug/L		99	85 - 115
Chromium	50.0	49.1		ug/L		98	85 - 115
Copper	50.0	50.2		ug/L		100	85 - 115
Lead	50.0	51.5		ug/L		103	85 - 115
Nickel	50.0	49.1		ug/L		98	85 - 115
Selenium	50.0	50.5		ug/L		101	85 - 115
Silver	50.0	50.2		ug/L		100	85 - 115
Thallium	50.0	51.1		ug/L		102	85 - 115
Zinc	50.0	51.4		ug/L		103	85 - 115

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: LCSD 380-181679/187
Matrix: Water
Analysis Batch: 181679

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	50.2		ug/L		100	85 - 115	1	20
Arsenic	50.0	51.3		ug/L		103	85 - 115	1	20
Beryllium	50.0	48.4		ug/L		97	85 - 115	0	20
Cadmium	50.0	50.1		ug/L		100	85 - 115	1	20
Chromium	50.0	49.2		ug/L		98	85 - 115	0	20
Copper	50.0	50.5		ug/L		101	85 - 115	1	20
Lead	50.0	51.9		ug/L		104	85 - 115	1	20
Nickel	50.0	49.6		ug/L		99	85 - 115	1	20
Selenium	50.0	51.2		ug/L		102	85 - 115	1	20
Silver	50.0	50.2		ug/L		100	85 - 115	0	20
Thallium	50.0	51.6		ug/L		103	85 - 115	1	20
Zinc	50.0	50.8		ug/L		102	85 - 115	1	20

Lab Sample ID: LLCS 380-181679/185
Matrix: Water
Analysis Batch: 181679

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.01		ug/L		101	50 - 150
Arsenic	1.00	1.04		ug/L		104	50 - 150
Beryllium	0.300	0.286	J	ug/L		95	50 - 150
Cadmium	0.500	0.438	J	ug/L		88	50 - 150
Chromium	0.900	0.843	J	ug/L		94	50 - 150
Copper	1.00	1.02		ug/L		102	50 - 150
Lead	0.500	0.515		ug/L		103	50 - 150
Nickel	1.00	1.03		ug/L		103	50 - 150
Selenium	2.00	1.91	J	ug/L		95	50 - 150
Silver	0.500	0.510		ug/L		102	50 - 150
Thallium	0.300	0.311		ug/L		104	50 - 150
Zinc	5.00	5.01		ug/L		100	50 - 150

Lab Sample ID: 110-3072-A-1 MS
Matrix: Water
Analysis Batch: 181679

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	53.1		ug/L		106	70 - 130
Arsenic	<1.0		50.0	58.9		ug/L		117	70 - 130
Beryllium	<0.30		50.0	48.2		ug/L		96	70 - 130
Cadmium	<0.50		50.0	51.5		ug/L		103	70 - 130
Chromium	1.1		50.0	52.4		ug/L		103	70 - 130
Copper	33		50.0	83.6		ug/L		100	70 - 130
Lead	<0.50		50.0	50.2		ug/L		100	70 - 130
Nickel	1.2		50.0	48.8		ug/L		95	70 - 130
Selenium	<2.0		50.0	64.1		ug/L		126	70 - 130
Silver	<0.50		50.0	50.1		ug/L		100	70 - 130
Thallium	<0.30		50.0	50.2		ug/L		100	70 - 130
Zinc	11		50.0	61.5		ug/L		101	70 - 130

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 110-3072-A-1 MSD
Matrix: Water
Analysis Batch: 181679

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	47.7		ug/L		95	70 - 130	11	20
Arsenic	<1.0		50.0	54.0		ug/L		107	70 - 130	9	20
Beryllium	<0.30		50.0	44.7		ug/L		89	70 - 130	8	20
Cadmium	<0.50		50.0	47.1		ug/L		94	70 - 130	9	20
Chromium	1.1		50.0	48.3		ug/L		94	70 - 130	8	20
Copper	33		50.0	79.1		ug/L		91	70 - 130	5	20
Lead	<0.50		50.0	46.4		ug/L		92	70 - 130	8	20
Nickel	1.2		50.0	45.1		ug/L		88	70 - 130	8	20
Selenium	<2.0		50.0	58.8		ug/L		116	70 - 130	9	20
Silver	<0.50		50.0	45.7		ug/L		91	70 - 130	9	20
Thallium	<0.30		50.0	46.4		ug/L		93	70 - 130	8	20
Zinc	11		50.0	57.7		ug/L		93	70 - 130	6	20

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-181681/184
Matrix: Water
Analysis Batch: 181681

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	ug/L			10/22/25 17:40	1

Lab Sample ID: LCS 380-181681/186
Matrix: Water
Analysis Batch: 181681

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.981		ug/L		98	85 - 115

Lab Sample ID: LCSD 380-181681/187
Matrix: Water
Analysis Batch: 181681

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	3	20

Lab Sample ID: LLCS 380-181681/185
Matrix: Water
Analysis Batch: 181681

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	0.225		ug/L		113	50 - 150

Lab Sample ID: 110-3072-A-1 MS
Matrix: Water
Analysis Batch: 181681

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.20		1.00	0.921		ug/L		92	70 - 130

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 110-3072-A-1 MSD
Matrix: Water
Analysis Batch: 181681

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	0.986		ug/L		99	70 - 130	7	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-181102/1
Matrix: Water
Analysis Batch: 181102

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.0		4.0	mg/L			10/20/25 13:48	1
Bicarbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			10/20/25 13:48	1
Carbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			10/20/25 13:48	1

Lab Sample ID: LCS 380-181102/4
Matrix: Water
Analysis Batch: 181102

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	96.1		mg/L		96	90 - 110

Lab Sample ID: LCSD 380-181102/19
Matrix: Water
Analysis Batch: 181102

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	100	94.8		mg/L		95	90 - 110	1	20

Lab Sample ID: LLCS 380-181102/5
Matrix: Water
Analysis Batch: 181102

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	20.0	18.5		mg/L		92	90 - 110

Lab Sample ID: MRL 380-181102/3
Matrix: Water
Analysis Batch: 181102

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	4.00	3.58	J	mg/L		90	50 - 150

Lab Sample ID: 380-177230-B-2 MS
Matrix: Water
Analysis Batch: 181102

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	<4.0	F1	100	70.9	F1	mg/L		71	80 - 120

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 380-177230-B-2 MSD
Matrix: Water
Analysis Batch: 181102

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	<4.0	F1	100	68.9	F1	mg/L		69	80 - 120	3	20

Lab Sample ID: 380-177230-B-2 DU
Matrix: Water
Analysis Batch: 181102

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	<4.0	F1	<4.0		mg/L		NC	20
Bicarbonate Alkalinity as CaCO3	<4.0		<4.0		mg/L		NC	20
Carbonate Alkalinity as CaCO3	<4.0		<4.0		mg/L		NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-181105/3
Matrix: Water
Analysis Batch: 181105

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<2.0		2.0	umhos/cm			10/20/25 13:48	1

Lab Sample ID: LCS 380-181105/5
Matrix: Water
Analysis Batch: 181105

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 380-181105/17
Matrix: Water
Analysis Batch: 181105

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	1000		umhos/cm		100	90 - 110	0	10

Lab Sample ID: MRL 380-181105/4
Matrix: Water
Analysis Batch: 181105

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: 380-177230-B-2 DU
Matrix: Water
Analysis Batch: 181105

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	450		449		umhos/cm		0.09	20

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: MB 380-180896/1
Matrix: Water
Analysis Batch: 180896

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	mg/L			10/20/25 16:00	1

Lab Sample ID: HLCS 380-180896/5
Matrix: Water
Analysis Batch: 180896

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	704		mg/L		101	80 - 114

Lab Sample ID: LCS 380-180896/4
Matrix: Water
Analysis Batch: 180896

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	172		mg/L		98	80 - 114

Lab Sample ID: MRL 380-180896/2
Matrix: Water
Analysis Batch: 180896

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: MRL 380-180896/3
Matrix: Water
Analysis Batch: 180896

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	10.0	8.00	J	mg/L		80	50 - 150

Lab Sample ID: 175-1089-E-1 DU
Matrix: Water
Analysis Batch: 180896

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	130		134		mg/L		0	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-181387/40
Matrix: Water
Analysis Batch: 181387

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.050		0.050	mg/L			10/21/25 20:21	1

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 380-181387/42
Matrix: Water
Analysis Batch: 181387

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	1.02		mg/L		102	90 - 110

Lab Sample ID: LCSD 380-181387/43
Matrix: Water
Analysis Batch: 181387

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	0	10

Lab Sample ID: MRL 380-181387/41
Matrix: Water
Analysis Batch: 181387

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	0.0507		mg/L		101	50 - 150

Lab Sample ID: 380-177153-E-5 MS
Matrix: Water
Analysis Batch: 181387

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	0.67		1.00	1.69		mg/L		102	80 - 120

Lab Sample ID: 380-177153-E-5 MSD
Matrix: Water
Analysis Batch: 181387

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	0.67		1.00	1.69		mg/L		102	80 - 120	0	20

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-181107/5
Matrix: Water
Analysis Batch: 181107

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			10/20/25 13:48	1

Lab Sample ID: LCS 380-181107/6
Matrix: Water
Analysis Batch: 181107

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

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

QC Sample Results

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: LCSD 380-181107/18
Matrix: Water
Analysis Batch: 181107

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
pH	6.00	6.1		SU		101	98 - 102	0	2

Lab Sample ID: 380-177230-B-2 DU
Matrix: Water
Analysis Batch: 181107

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	3.3		3.2		SU		2	2

Method: SM 4500 S2 D - Sulfide, Total

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

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

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

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

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

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

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

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	0.250	0.233		mg/L		93	90 - 110	4	20

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

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

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

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

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	0.193	F1	mg/L		77	80 - 120

QC Sample Results

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

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

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

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	0.198	F1	mg/L		79	80 - 120	3	20

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QC Association Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

GC/MS VOA

Analysis Batch: 180816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	524.2	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	
380-177536-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC)	Total/NA	Water	524.2	
380-177536-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC)	Total/NA	Water	524.2	
MB 380-180816/9	Method Blank	Total/NA	Water	524.2	
LCS 380-180816/6	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-180816/7	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-180816/4	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-180816/5	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 181269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	524.2	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	524.2	
380-177536-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC)	Total/NA	Water	524.2	
380-177536-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC)	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 181363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-181363/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-181363/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-181363/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-177536-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-177536-1 MSD	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	

Analysis Batch: 181709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	181363
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	181363
MB 380-181363/20-A	Method Blank	Total/NA	Water	525.2	181363
LCS 380-181363/22-A	Lab Control Sample	Total/NA	Water	525.2	181363
MRL 380-181363/21-A	Lab Control Sample	Total/NA	Water	525.2	181363
380-177536-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	181363
380-177536-1 MSD	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	181363

Prep Batch: 642969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-642969/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-642969/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-642969/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-177173-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-177173-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

QC Association Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

GC/MS Semi VOA

Analysis Batch: 646232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	642969
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	642969
MB 570-642969/1-A	Method Blank	Total/NA	Water	625.1	642969

Analysis Batch: 646236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	642969
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	642969
MB 570-642969/1-A	Method Blank	Total/NA	Water	625.1 SIM	642969
LCS 570-642969/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	642969
LCSD 570-642969/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	642969
380-177173-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	642969
380-177173-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	642969

GC VOA

Analysis Batch: 646066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
MB 570-646066/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-646066/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-646066/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-646066/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-178070-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-178070-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

Analysis Batch: 646186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-177536-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC)	Total/NA	Water	8015B GRO LL	
380-177536-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC)	Total/NA	Water	8015B GRO LL	
MB 570-646186/35	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-646186/33	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-646186/34	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-646186/32	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-178571-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-178571-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 180823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	505	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	505	
MB 380-180823/3-A	Method Blank	Total/NA	Water	505	
LCS 380-180823/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-180823/29-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-180823/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-180823/30-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-180823/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-180823/2-A	Lab Control Sample	Total/NA	Water	505	
380-177094-B-1-A MS	Matrix Spike	Total/NA	Water	505	

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QC Association Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

GC Semi VOA (Continued)

Prep Batch: 180823 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177094-D-1-A MS	Matrix Spike	Total/NA	Water	505	
380-177141-Q-1-A MS	Matrix Spike	Total/NA	Water	505	
380-177141-R-1-A MS	Matrix Spike	Total/NA	Water	505	

Analysis Batch: 181043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	505	180823
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	505	180823
MB 380-180823/3-A	Method Blank	Total/NA	Water	505	180823
LCS 380-180823/28-A	Lab Control Sample	Total/NA	Water	505	180823
LCS 380-180823/29-A	Lab Control Sample	Total/NA	Water	505	180823
LCS 380-180823/31-A	Lab Control Sample	Total/NA	Water	505	180823
LCSD 380-180823/30-A	Lab Control Sample Dup	Total/NA	Water	505	180823
MRL 380-180823/1-A	Lab Control Sample	Total/NA	Water	505	180823
MRL 380-180823/2-A	Lab Control Sample	Total/NA	Water	505	180823
380-177094-B-1-A MS	Matrix Spike	Total/NA	Water	505	180823
380-177094-D-1-A MS	Matrix Spike	Total/NA	Water	505	180823
380-177141-Q-1-A MS	Matrix Spike	Total/NA	Water	505	180823
380-177141-R-1-A MS	Matrix Spike	Total/NA	Water	505	180823

Prep Batch: 181235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	504.1	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	504.1	
380-177536-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Water	504.1	
380-177536-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	Total/NA	Water	504.1	
MBL 380-181235/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-181235/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-181235/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-181235/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-177093-F-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-177094-E-1-A DU	Duplicate	Total/NA	Water	504.1	

Analysis Batch: 181467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	504.1	181235
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	504.1	181235
380-177536-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Water	504.1	181235
380-177536-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	Total/NA	Water	504.1	181235
MBL 380-181235/4-A	Method Blank	Total/NA	Water	504.1	181235
LCS 380-181235/29-A	Lab Control Sample	Total/NA	Water	504.1	181235
MRL 380-181235/2-A	Lab Control Sample	Total/NA	Water	504.1	181235
MRL 380-181235/3-A	Lab Control Sample	Total/NA	Water	504.1	181235
380-177093-F-1-A MS	Matrix Spike	Total/NA	Water	504.1	181235
380-177094-E-1-A DU	Duplicate	Total/NA	Water	504.1	181235

Prep Batch: 642798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-642798/1-A	Method Blank	Total/NA	Water	3510C	

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

GC Semi VOA (Continued)

Prep Batch: 642798 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-642798/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-642798/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-642798/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 643985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	
MB 570-643985/3	Method Blank	Total/NA	Water	8015B	
LCS 570-643985/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-643985/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-643985/4	Lab Control Sample	Total/NA	Water	8015B	
380-177079-I-1 MS	Matrix Spike	Total/NA	Water	8015B	
380-177079-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 646397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	642798
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	642798
MB 570-642798/1-A	Method Blank	Total/NA	Water	8015B	642798
LCS 570-642798/2-A	Lab Control Sample	Total/NA	Water	8015B	642798
LCSD 570-642798/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	642798
MRL 570-642798/4-A	Lab Control Sample	Total/NA	Water	8015B	642798

HPLC/IC

Analysis Batch: 180392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	300.0	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-180392/4	Method Blank	Total/NA	Water	300.0	
LCS 380-180392/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180392/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180392/5	Lab Control Sample	Total/NA	Water	300.0	
380-177536-2 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
380-177536-2 MSD	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	

Analysis Batch: 180393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	300.0	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-180393/4	Method Blank	Total/NA	Water	300.0	
LCS 380-180393/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180393/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180393/5	Lab Control Sample	Total/NA	Water	300.0	
380-177481-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
380-177536-2 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
380-177536-2 MSD	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	

QC Association Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

HPLC/IC

Analysis Batch: 180640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-180640/4	Method Blank	Total/NA	Water	300.0	
LCS 380-180640/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180640/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180640/5	Lab Control Sample	Total/NA	Water	300.0	
380-177863-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-177863-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 180641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-180641/4	Method Blank	Total/NA	Water	300.0	
LCS 380-180641/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180641/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180641/5	Lab Control Sample	Total/NA	Water	300.0	
380-177863-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-177863-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 180682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	300.0	
MB 380-180682/40	Method Blank	Total/NA	Water	300.0	
LCS 380-180682/42	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180682/43	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180682/41	Lab Control Sample	Total/NA	Water	300.0	
175-1152-C-1 MS	Matrix Spike	Total/NA	Water	300.0	
175-1152-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
380-177599-A-5 MS	Matrix Spike	Total/NA	Water	300.0	
380-177599-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 180982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	300.0	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	300.0	
MB 380-180982/6	Method Blank	Total/NA	Water	300.0	
LCS 380-180982/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180982/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180982/5	Lab Control Sample	Total/NA	Water	300.0	
380-177498-AC-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-177498-AC-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 181050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	200.8	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	200.8	
MBL 380-181050/15	Method Blank	Total/NA	Water	200.8	
LCS 380-181050/17	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-181050/18	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-181050/16	Lab Control Sample	Total/NA	Water	200.8	
380-177530-A-4 MS	Matrix Spike	Total/NA	Water	200.8	

QC Association Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Metals (Continued)

Analysis Batch: 181050 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177530-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 181057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	200.7 Rev 4.4	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	200.7 Rev 4.4	
MBL 380-181057/91	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-181057/93	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-181057/94	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-181057/92	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-177530-A-2 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-177530-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 181679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MBL 380-181679/184	Method Blank	Total/NA	Water	200.8	
LCS 380-181679/186	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-181679/187	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-181679/185	Lab Control Sample	Total/NA	Water	200.8	
110-3072-A-1 MS	Matrix Spike	Total/NA	Water	200.8	
110-3072-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 181681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	200.8	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	200.8	
MBL 380-181681/184	Method Blank	Total/NA	Water	200.8	
LCS 380-181681/186	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-181681/187	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-181681/185	Lab Control Sample	Total/NA	Water	200.8	
110-3072-A-1 MS	Matrix Spike	Total/NA	Water	200.8	
110-3072-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 180853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 4500 S2 D	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 4500 S2 D	
MB 380-180853/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-180853/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-180853/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-180853/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-177079-Y-1 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 D	
380-177079-Y-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 180896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 2540C	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 2540C	
MB 380-180896/1	Method Blank	Total/NA	Water	SM 2540C	

QC Association Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

General Chemistry (Continued)

Analysis Batch: 180896 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
HLCS 380-180896/5	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-180896/4	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-180896/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-180896/3	Lab Control Sample	Total/NA	Water	SM 2540C	
175-1089-E-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 181102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 2320B	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 2320B	
MB 380-181102/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-181102/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-181102/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-181102/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-181102/3	Lab Control Sample	Total/NA	Water	SM 2320B	
380-177230-B-2 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-177230-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-177230-B-2 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 181105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 2510B	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 2510B	
MB 380-181105/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-181105/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-181105/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-181105/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-177230-B-2 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 181107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 4500 H+ B	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 4500 H+ B	
MB 380-181107/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-181107/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-181107/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-177230-B-2 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 181387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	SM 4500 F C	
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	SM 4500 F C	
MB 380-181387/40	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-181387/42	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-181387/43	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-181387/41	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-177153-E-5 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-177153-E-5 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Lab Chronicle

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-1

Date Collected: 10/15/25 09:57

Matrix: Drinking Water

Date Received: 10/16/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	180816	YNB8	EA POM	10/20/25 16:15
Total/NA	Analysis	524.2		1	181269	YXX2	EA POM	10/20/25 16:15
Total/NA	Prep	525.2			181363	OTM3	EA POM	10/22/25 09:06
Total/NA	Analysis	525.2		1	181709	UPAC	EA POM	10/23/25 13:53
Total/NA	Prep	625.1			642969	H1SH	EET CAL 4	10/20/25 06:11
Total/NA	Analysis	625.1		1	646232	PQS1	EET CAL 4	10/26/25 08:13
Total/NA	Prep	625.1			642969	H1SH	EET CAL 4	10/20/25 06:11
Total/NA	Analysis	625.1 SIM		1	646236	PQS1	EET CAL 4	10/26/25 08:24
Total/NA	Analysis	8015B GRO LL		1	646066	YD9V	EET CAL 4	10/25/25 16:51
Total/NA	Prep	504.1			181235	GVC6	EA POM	10/21/25 18:21 - 10/21/25 19:39 ¹
Total/NA	Analysis	504.1		1	181467	GVC6	EA POM	10/22/25 01:48
Total/NA	Prep	505			180823	DR5R	EA POM	10/20/25 14:13 - 10/20/25 15:24 ¹
Total/NA	Analysis	505		1	181043	DR5R	EA POM	10/20/25 20:15
Total/NA	Prep	3510C			642798	TVD6	EET CAL 4	10/19/25 10:24
Total/NA	Analysis	8015B		1	646397	H6FE	EET CAL 4	10/27/25 00:42
Total/NA	Analysis	8015B		1	643985	ZE2W	EET CAL 4	10/21/25 22:02
Total/NA	Analysis	300.0		2	180682	BG6L	EA POM	10/17/25 20:13
Total/NA	Analysis	300.0		1	180982	UNJR	EA POM	10/21/25 02:22
Total/NA	Analysis	300.0		1	180392	BG6L	EA POM	10/16/25 12:58
Total/NA	Analysis	300.0		1	180393	BG6L	EA POM	10/16/25 12:58
Total/NA	Analysis	200.7 Rev 4.4		1	181057	MF7S	EA POM	10/20/25 14:26
Total/NA	Analysis	200.8		1	181050	T8BB	EA POM	10/20/25 13:25
Total/NA	Analysis	200.8		1	181681	T8BB	EA POM	10/22/25 17:54
Total/NA	Analysis	SM 2320B		1	181102	MH2L	EA POM	10/20/25 18:08
Total/NA	Analysis	SM 2510B		1	181105	MH2L	EA POM	10/20/25 18:08
Total/NA	Analysis	SM 2540C		1	180896	UJRF	EA POM	10/20/25 16:00
Total/NA	Analysis	SM 4500 F C		1	181387	MH2L	EA POM	10/21/25 21:06
Total/NA	Analysis	SM 4500 H+ B		1	181107	MH2L	EA POM	10/20/25 18:08
Total/NA	Analysis	SM 4500 S2 D		1	180853	ZJ2C	EA POM	10/20/25 13:02

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	180816	YNB8	EA POM	10/20/25 16:38
Total/NA	Analysis	524.2		1	181269	YXX2	EA POM	10/20/25 16:38
Total/NA	Prep	525.2			181363	OTM3	EA POM	10/22/25 09:06
Total/NA	Analysis	525.2		1	181709	UPAC	EA POM	10/23/25 14:55

Lab Chronicle

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-2

Date Collected: 10/15/25 10:26

Matrix: Drinking Water

Date Received: 10/16/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625.1			642969	H1SH	EET CAL 4	10/20/25 06:11
Total/NA	Analysis	625.1		1	646232	PQS1	EET CAL 4	10/26/25 08:37
Total/NA	Prep	625.1			642969	H1SH	EET CAL 4	10/20/25 06:11
Total/NA	Analysis	625.1 SIM		1	646236	PQS1	EET CAL 4	10/26/25 08:46
Total/NA	Analysis	8015B GRO LL		1	646186	YD9V	EET CAL 4	10/26/25 00:53
Total/NA	Prep	504.1			181235	GVC6	EA POM	10/21/25 18:21 - 10/21/25 19:39 ¹
Total/NA	Analysis	504.1		1	181467	GVC6	EA POM	10/22/25 02:30
Total/NA	Prep	505			180823	DR5R	EA POM	10/20/25 14:13 - 10/20/25 15:24 ¹
Total/NA	Analysis	505		1	181043	DR5R	EA POM	10/20/25 20:36
Total/NA	Prep	3510C			642798	TVD6	EET CAL 4	10/19/25 10:24
Total/NA	Analysis	8015B		1	646397	H6FE	EET CAL 4	10/27/25 01:04
Total/NA	Analysis	8015B		1	643985	ZE2W	EET CAL 4	10/21/25 22:24
Total/NA	Analysis	300.0		2	180641	DXD4	EA POM	10/17/25 19:09
Total/NA	Analysis	300.0		1	180982	UNJR	EA POM	10/21/25 02:48
Total/NA	Analysis	300.0		1	180392	BG6L	EA POM	10/16/25 13:57
Total/NA	Analysis	300.0		1	180393	BG6L	EA POM	10/16/25 13:57
Total/NA	Analysis	200.7 Rev 4.4		1	181057	MF7S	EA POM	10/20/25 14:28
Total/NA	Analysis	200.8		1	181050	T8BB	EA POM	10/20/25 13:27
Total/NA	Analysis	200.8		1	181681	T8BB	EA POM	10/22/25 17:56
Total/NA	Analysis	SM 2320B		1	181102	MH2L	EA POM	10/20/25 18:16
Total/NA	Analysis	SM 2510B		1	181105	MH2L	EA POM	10/20/25 18:16
Total/NA	Analysis	SM 2540C		1	180896	UJRF	EA POM	10/20/25 16:00
Total/NA	Analysis	SM 4500 F C		1	181387	MH2L	EA POM	10/21/25 21:02
Total/NA	Analysis	SM 4500 H+ B		1	181107	MH2L	EA POM	10/20/25 18:16
Total/NA	Analysis	SM 4500 S2 D		1	180853	ZJ2C	EA POM	10/20/25 13:02

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

Lab Sample ID: 380-177536-3

Date Collected: 10/15/25 09:57

Matrix: Water

Date Received: 10/16/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	180816	YNB8	EA POM	10/20/25 17:01
Total/NA	Analysis	524.2		1	181269	YXX2	EA POM	10/20/25 17:01
Total/NA	Analysis	8015B GRO LL		1	646186	YD9V	EET CAL 4	10/26/25 04:34
Total/NA	Prep	504.1			181235	GVC6	EA POM	10/21/25 18:21 - 10/21/25 19:39 ¹
Total/NA	Analysis	504.1		1	181467	GVC6	EA POM	10/22/25 02:52

Lab Chronicle

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Lab Sample ID: 380-177536-4

Date Collected: 10/15/25 10:26

Matrix: Water

Date Received: 10/16/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	180816	YNB8	EA POM	10/20/25 17:24
Total/NA	Analysis	524.2		1	181269	YXX2	EA POM	10/20/25 17:24
Total/NA	Analysis	8015B GRO LL		1	646186	YD9V	EET CAL 4	10/26/25 04:54
Total/NA	Prep	504.1			181235	GVC6	EA POM	10/21/25 18:21 - 10/21/25 19:39 ¹
Total/NA	Analysis	504.1		1	181467	GVC6	EA POM	10/22/25 03:13

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

Accreditation/Certification Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Laboratory: Eurofins Eaton Analytical Pomona

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

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

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

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

Accreditation/Certification Summary

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

Job ID: 380-177536-1
 SDG: Quarterly: Aiea Gulch Wells P1/P2

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
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 CaCO ₃
SM 2320B		Drinking Water	Carbonate Alkalinity as CaCO ₃
SM 4500 S2 D		Drinking Water	Sulfide

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

Method Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 380-177536-1
SDG: Quarterly: Aiea Gulch Wells P1/P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-177536-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	10/15/25 09:57	10/16/25 10:29	HI0000331
380-177536-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	10/15/25 10:26	10/16/25 10:29	HI0000331
380-177536-3	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	10/15/25 09:57	10/16/25 10:29	
380-177536-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	10/15/25 10:26	10/16/25 10:29	

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

Chain of Custody Record



Client Information Client Contact: Kirk Iwamoto Phone: +1 808-748-5840 City & County of Honolulu		Lab P/N: Lopez, Maria E-Mail: Maria.Lopez@et-euronisus.com		Carrier Tracking No(s): State of Origin:		COC No: Page: Page 1 of 2 Job #:	
Address: 630 South Beretania Street, Chemistry Lab City: Honolulu State, Zip: HI 96843 Phone: 808-748-5040 (tel) Email: kiwamoto@hbws.org		Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> No <input type="checkbox"/> Yes PO #: C20525101 exp 05312023 WO #:		Analysis Requested 2540C_Calcd Total dissolved Solids (TDS) 5M4500_5Z_D_Sulfide_Totals 524Z_Pres_Prec_524Z_SIM_Prec 525Z_Prec_525plus PLUS TICs 300_OF_28D_B_300_OF_28D_Prec_300_OF_48H_Prec_4500_F_C 2451 - Local Method 8015B_GRO_LL (MOD) GRO 8015B_PRO_LL_CS HNL Ranges C10-C24/C24-C36/C38-C18 8015B_DAI Ethanol 6251_6251_SIM		Preservation Codes: A HCL B NaOH C Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Amchlor H Ascorbic Acid I - Ice J DI Water K EDTA L EDA Z other (specify)	
Project #: 38001111 SSOV#:		Matrix (Water, Sewer, Solid, Compost, Soil, Tissue, Aest)		Sample Type (C=Comp, G=grab)		Sample Time	
Sample Date		Sample Time		Sample Date		Matrix (Water, Sewer, Solid, Compost, Soil, Tissue, Aest)	
Area Gulch Wells P1 Area Gulch Wells P2		15-Oct-2025 15-Oct-2025		0957 1026		Water Water	
TB Area Gulch Wells P1 TB Area Gulch Wells P2		15-Oct-2025 15-Oct-2025		0957 1026		Water Water	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested I II III IV Other (specify)		Empty Kit Relinquished by:		Date/Time: 15 Oct 2025 1400 Date/Time: 15 Oct 2025 1026	
Sample Identification Area Gulch Wells P1 Area Gulch Wells P2 TB Area Gulch Wells P1 TB Area Gulch Wells P2		Sample Date 15-Oct-2025 15-Oct-2025		Sample Time 0957 1026		Matrix (Water, Sewer, Solid, Compost, Soil, Tissue, Aest) Water Water	
Perform MS/MSD (Yes or No)		Field Filtered Sample (Yes or No)		Preservation Code:		Special Instructions/Note 380-177536 COC	
604.1_Prec_506_LL_Prec 2320B_2610B_5M4500_H+ 2007_2008 2540C_Calcd Total dissolved Solids (TDS) 5M4500_5Z_D_Sulfide_Totals 524Z_Pres_Prec_524Z_SIM_Prec 525Z_Prec_525plus PLUS TICs 300_OF_28D_B_300_OF_28D_Prec_300_OF_48H_Prec_4500_F_C 2451 - Local Method 8015B_GRO_LL (MOD) GRO 8015B_PRO_LL_CS HNL Ranges C10-C24/C24-C36/C38-C18 8015B_DAI Ethanol 6251_6251_SIM		R N D N R 6 1 1 1 1 6 1 1 1 1		N A N N D R A Q N R 3 2 1 3 2 2 2 3 2 1 3 2 2 2		Total Number of Containers 6251_6251_SIM	
Date/Time: 15 Oct 2025 1400 Date/Time: 15 Oct 2025 1026		Date/Time: 15 Oct 2025 1400 Date/Time: 15 Oct 2025 1026		Date/Time: 15 Oct 2025 1400 Date/Time: 15 Oct 2025 1026		Date/Time: 15 Oct 2025 1400 Date/Time: 15 Oct 2025 1026	
Company: HBWS Company:		Company: HBWS Company:		Company: HBWS Company:		Company: HBWS Company:	
Custody Seal No: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No:		Custody Seal No:		Custody Seal No:	



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

Chain of Custody Record



Client Information		Lab PM Lopez, Maria	Carrier Tracking No(s)	COC No:
Client Contact: Kirk Iwamoto Phone: +1 8087485840		E-Mail Maria.Lopez@et.euronisus.com	State of Origin	Page Page 2 of 2
Company City & County of Honolulu		Job #		
Address: 630 South Beretania Street, Chemistry Lab City Honolulu State Zip: HI 96843 Phone: 808-748-5040 (tel) Email: kiwamoto@hbws.org		Analysis Requested		
Project #: RED-HILL Site		Preservation Codes: M Hexane A HCL B NaOH C Zn Acetate D - Nitric Acid E NaHSO4 F MeOH G - Antchlor H Ascorbic Acid I - Ice J DI Water K - EDTA L EDA Other		
Due Date Requested		Total Number of Containers		
TAT Requested (days)		Special Instructions/Note:		
Compliance Project: Δ No		Perform MS/MSD (Yes or No)		
PO #: C20525101 exp 05312023		Field Filled Sample (Yes or No)		
WO #		504 PREC Local Method		
Project #: 38001111		R		
SSOW#		Matrix (Water, Solid, Oil, Tissue, Aqueous)		
Sample Date		Sample Type (C=comp, G=grab)	Sample Time	Preservation Code:
Area Gulch Wells P1				Water
Area Gulch Wells P2				Water
TB - Area Gulch Wells P1			2	
TB - Area Gulch Wells P2			2	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I II III IV Other (specify)				
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Special Instructions/QC Requirements				
Empty Kit Relinquished by _____ Date _____ Method of Shipment _____				
Relinquished by _____ Date/Time: 15 October 2025 1400 Company HBWS				
Relinquished by _____ Date/Time: _____ Company _____				
Relinquished by _____ Date/Time: _____ Company _____				
Custody Seals Intact: Δ Yes Δ No Custody Seal No: 1-7 / 3.0 / 3.1				



Ver 01/16/2019

Eurofins Eaton Analytical Pomona

941 Corporate Center Drive
 Pomona, CA 91768-2642
 Phone: 626-386-1100

Chain of Custody Record



Loc: 380
177536

Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-265741.1
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Maria.Lopez@et.eurofins.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,			Accreditations Required (See note): State - Hawaii		Job #: 380-177536-1
Address: 2841 Dow Avenue, Suite 100,		Due Date Requested: 10/29/2025	Analysis Requested		
City: Tustin		TAT Requested (days): N/A			
State, Zip: CA, 92780		PO #: N/A	Field Filled Sample (Yes or No) Perform MS/MSD (Yes or No) 8015B_DAI(Hano) 8015B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/C8-C18 8015B_GRO_LL/5030C(MOD) GRO 625-1_SIMS25_Prep(MOD) Extended List	Total Number of Containers Other: N/A	Preservation Codes: Special Instructions/Note:
Phone: 714-895-5494(Tel)		WO #: N/A			
Email: N/A		Project #: 38001111			
Project Name: RED-HILL		SSOW: N/A			
Site: Honolulu BWS Sites					
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soils/oli, BT=Tissue, An=Air)	Preservation Code:
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-177536-1)	10/15/25	09:57 Hawaiian	G	Water	
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-177536-2)	10/15/25	10:26 Hawaiian	G	Water	
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-177536-1)	10/15/25	09:57 Hawaiian	G	Water	
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-177536-2)	10/15/25	10:26 Hawaiian	G	Water	



380-177536 Chain of Custody

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

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: <i>[Signature]</i>	Date/Time: 10/17/25 16:50	Company: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date/Time: 10-17-25 16:50	Company: EC
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-1/2-3 FRT			

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-177536-1

SDG Number: Quarterly: Aiea Gulch Wells P1/P2

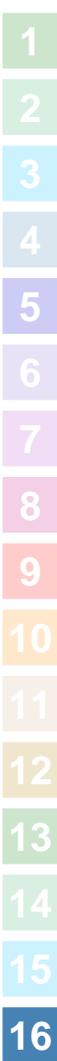
Login Number: 177536

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-177536-1
SDG Number: Quarterly: Aiea Gulch Wells P1/P2

Login Number: 177536

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 10/17/25 07:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	