

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Quarterly: Aiea Gulch Wells Pump 2

JOB NUMBER

380-206996-1

Eurofins Pomona

Job Notes

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

Compliance Statement

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

Authorization



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Definitions/Glossary

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Qualifiers

GC/MS 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.

GC/MS 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/MS Semi VOA

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

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
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.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

HPLC/IC

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

Metals

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

General Chemistry

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

Glossary

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

Definitions/Glossary

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: 380-206996-1

Job ID: 380-206996-1

Eurofins Pomona

Job Narrative 380-206996-1

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 4/8/2026 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.1°C.

GC/MS VOA

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

GC/MS Semi VOA

Method 625.1 SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-722458 and analytical batch 570-724634 recovered outside control limits for the following analyte(s): 4-Chloroaniline, Aniline and Benzidine. 4-Chloroaniline, Aniline and Benzidine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 625.1 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-722458 and analytical batch 570-724634 recovered outside control limits for the following analytes: 4-Chloroaniline. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

Method 625.1 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-722458 and analytical batch 570-724634 recovered outside control limits for the following analytes: Aniline.

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

Gasoline Range Organics

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

Diesel Range Organics

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

GC Semi VOA

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

Hydrocarbons

Method 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 570-723893 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 570-723893 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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Case Narrative

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

Job ID: 380-206996-1

Job ID: 380-206996-1 (Continued)

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Pesticides/PCBs

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

HPLC/IC

Method 300.0: The following sample was diluted for Nitrite as N to prevent detector saturation due to high conductivity: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-206996-1). Elevated reporting limits (RLs) are provided.

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

Metals

Method 200.7 Rev 4.4: The continuing calibration blank (CCB) for analytical batch 380-218923 contained Potassium above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

General Chemistry

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

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Detection Summary

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	160		5.0	ug/L	1		300.0	Total/NA
Chloride	82		1.0	mg/L	2		300.0	Total/NA
Nitrate as N	0.55		0.10	mg/L	2		300.0	Total/NA
Sulfate	12		0.50	mg/L	2		300.0	Total/NA
Calcium	19		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	15		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.1	^2	0.20	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	29		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.7		0.90	ug/L	1		200.8	Total/NA
Copper	1.7		1.0	ug/L	1		200.8	Total/NA
Alkalinity	54		2.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	54		2.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	400		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	270		20	mg/L	1		SM 2540C	Total/NA
pH	8.0	HF		SU	1		SM 4500 H+ B	Total/NA

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

Lab Sample ID: 380-206996-2

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

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			04/15/26 23:25	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			04/15/26 23:25	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			04/15/26 23:25	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			04/15/26 23:25	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			04/15/26 23:25	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 23:25	1
1,1-Dichloroethane	<0.50		0.50	ug/L			04/15/26 23:25	1
1,1-Dichloropropene	<0.50		0.50	ug/L			04/15/26 23:25	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/15/26 23:25	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
1,2-Dichloroethane	<0.50		0.50	ug/L			04/15/26 23:25	1
1,2-Dichloropropane	<0.50		0.50	ug/L			04/15/26 23:25	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
1,3-Dichloropropane	<0.50		0.50	ug/L			04/15/26 23:25	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			04/15/26 23:25	1
2,2-Dichloropropane	<0.50		0.50	ug/L			04/15/26 23:25	1
2-Butanone (MEK)	<5.0		5.0	ug/L			04/15/26 23:25	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			04/15/26 23:25	1
Acetone	<500		500	ug/L			04/15/26 23:25	1
Benzene	<0.50	^3+	0.50	ug/L			04/15/26 23:25	1
Bromobenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
Bromochloromethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Bromodichloromethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Bromoethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Bromoform	<0.50		0.50	ug/L			04/15/26 23:25	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			04/15/26 23:25	1
Carbon disulfide	<0.50		0.50	ug/L			04/15/26 23:25	1
Carbon tetrachloride	<0.50		0.50	ug/L			04/15/26 23:25	1
Chlorobenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
Chlorodibromomethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Chloroethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			04/15/26 23:25	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			04/15/26 23:25	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 23:25	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/15/26 23:25	1
Dibromomethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Dichloromethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Diisopropyl ether	<3.0		3.0	ug/L			04/15/26 23:25	1
Ethylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/15/26 23:25	1
Isopropylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1

Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

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			04/15/26 23:25	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			04/15/26 23:25	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			04/15/26 23:25	1
Naphthalene	<0.50		0.50	ug/L			04/15/26 23:25	1
n-Butylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
N-Propylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
o-Chlorotoluene	<0.50		0.50	ug/L			04/15/26 23:25	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			04/15/26 23:25	1
o-Xylene	<0.50		0.50	ug/L			04/15/26 23:25	1
p-Chlorotoluene	<0.50		0.50	ug/L			04/15/26 23:25	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			04/15/26 23:25	1
p-Isopropyltoluene	<0.50		0.50	ug/L			04/15/26 23:25	1
sec-Butylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
Styrene	<0.50		0.50	ug/L			04/15/26 23:25	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			04/15/26 23:25	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			04/15/26 23:25	1
tert-Butylbenzene	<0.50		0.50	ug/L			04/15/26 23:25	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			04/15/26 23:25	1
Toluene	<0.50		0.50	ug/L			04/15/26 23:25	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 23:25	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/15/26 23:25	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			04/15/26 23:25	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			04/15/26 23:25	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			04/15/26 23:25	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			04/15/26 23:25	1
Xylenes, Total	<0.50		0.50	ug/L			04/15/26 23:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		04/15/26 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		04/15/26 23:25	1
4-Bromofluorobenzene (Surr)	107		70 - 130		04/15/26 23:25	1
Toluene-d8 (Surr)	90		70 - 130		04/15/26 23:25	1
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		04/15/26 23:25	1
4-Bromofluorobenzene (Surr)	107		70 - 130		04/15/26 23:25	1
Toluene-d8 (Surr)	90		70 - 130		04/15/26 23:25	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		04/13/26 15:53	04/15/26 14:05	1
2,4'-DDE	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
2,4'-DDT	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
4,4'-DDD	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
4,4'-DDE	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
4,4'-DDT	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Acenaphthene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

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		04/13/26 15:53	04/15/26 14:05	1
Acetochlor	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Alachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
alpha-BHC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
alpha-Chlordane	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Anthracene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 14:05	1
Atrazine	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Benz(a)anthracene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Benzo[a]pyrene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 14:05	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 14:05	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 14:05	1
beta-BHC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		04/13/26 15:53	04/15/26 14:05	1
Aldrin	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Bromacil	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Butachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Butylbenzylphthalate	<0.49		0.49	ug/L		04/13/26 15:53	04/15/26 14:05	1
Chlorobenzilate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Chloroneb	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Chlorpyrifos	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Chrysene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 14:05	1
delta-BHC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		04/13/26 15:53	04/15/26 14:05	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Dieldrin	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Diethylphthalate	<0.49		0.49	ug/L		04/13/26 15:53	04/15/26 14:05	1
Dimethylphthalate	<0.49		0.49	ug/L		04/13/26 15:53	04/15/26 14:05	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		04/13/26 15:53	04/15/26 14:05	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Endosulfan sulfate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Endrin	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Endrin aldehyde	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
EPTC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Fluoranthene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Fluorene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 14:05	1
gamma-Chlordane	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Heptachlor	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Hexachlorobenzene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Isophorone	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1

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Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

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		04/13/26 15:53	04/15/26 14:05	1
Methoxychlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Metolachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Molinate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Naphthalene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Parathion	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Phenanthrene	<0.039		0.039	ug/L		04/13/26 15:53	04/15/26 14:05	1
Propachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Pyrene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Simazine	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Terbacil	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Terbutylazine	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Thiobencarb	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		04/13/26 15:53	04/15/26 14:05	1
trans-Nonachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 14:05	1
Trifluralin	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
1-Methylnaphthalene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1
2-Methylnaphthalene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 14:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	04/13/26 15:53	04/15/26 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	98		70 - 130	04/13/26 15:53	04/15/26 14:05	1
Perylene-d12	88		70 - 130	04/13/26 15:53	04/15/26 14:05	1
Triphenylphosphate	95		70 - 130	04/13/26 15:53	04/15/26 14:05	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		04/10/26 09:15	04/15/26 11:34	1
2,4,5-Trichlorophenol	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
2,4,6-Trichlorophenol	<0.99		0.99	ug/L		04/10/26 09:15	04/15/26 11:34	1
2,4-Dichlorophenol	<0.99		0.99	ug/L		04/10/26 09:15	04/15/26 11:34	1
2,4-Dinitrophenol	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
2,6-Dichlorophenol	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
2-Chloronaphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
2-Chlorophenol	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
2-Methylnaphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
2-Methylphenol	<0.99		0.99	ug/L		04/10/26 09:15	04/15/26 11:34	1
2-Nitroaniline	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
2-Nitrophenol	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
3/4-Methylphenol	<2.0		2.0	ug/L		04/10/26 09:15	04/15/26 11:34	1
3-Nitroaniline	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
4,6-Dinitro-2-methylphenol	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
4-Chloro-3-methylphenol	<0.99		0.99	ug/L		04/10/26 09:15	04/15/26 11:34	1
4-Chloroaniline	<4.9	*- *1	4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1

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Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

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		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
4-Nitrophenol	<4.9		4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
Acenaphthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Acenaphthylene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Aniline	<0.20	*- *1	0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzidine	<4.9	*-	4.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzo[a]anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzo[a]pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzoic acid	<9.9		9.9	ug/L		04/10/26 09:15	04/15/26 11:34	1
Benzyl alcohol	<0.99		0.99	ug/L		04/10/26 09:15	04/15/26 11:34	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Chrysene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Dibenzofuran	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Fluorene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Hexachloroethane	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Naphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Nitrobenzene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Pentachlorophenol	<0.99		0.99	ug/L		04/10/26 09:15	04/15/26 11:34	1
Phenanthrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1
Phenol	<0.99		0.99	ug/L		04/10/26 09:15	04/15/26 11:34	1
Pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 11:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		28 - 127	04/10/26 09:15	04/15/26 11:34	1
2-Fluorobiphenyl (Surr)	90		31 - 120	04/10/26 09:15	04/15/26 11:34	1
2-Fluorophenol (Surr)	58		17 - 120	04/10/26 09:15	04/15/26 11:34	1
Nitrobenzene-d5 (Surr)	96		27 - 120	04/10/26 09:15	04/15/26 11:34	1
Phenol-d6 (Surr)	36		10 - 120	04/10/26 09:15	04/15/26 11:34	1
p-Terphenyl-d14 (Surr)	87		45 - 120	04/10/26 09:15	04/15/26 11:34	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	04/10/26 09:15	04/16/26 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		33 - 139	04/10/26 09:15	04/16/26 12:32	1
2-Fluorobiphenyl (Surr)	90		33 - 126	04/10/26 09:15	04/16/26 12:32	1

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Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

PWSID Number: HI0000331

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	58		12 - 120	04/10/26 09:15	04/16/26 12:32	1
Nitrobenzene-d5 (Surr)	95		36 - 120	04/10/26 09:15	04/16/26 12:32	1
Phenol-d6 (Surr)	36		10 - 120	04/10/26 09:15	04/16/26 12:32	1
p-Terphenyl-d14 (Surr)	92		47 - 131	04/10/26 09:15	04/16/26 12:32	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			04/17/26 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		38 - 134		04/17/26 21:38	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	<0.019		0.019	ug/L		04/09/26 15:42	04/10/26 10:22	1
1,2-Dibromo-3-Chloropropane	<0.0097		0.0097	ug/L		04/09/26 15:42	04/10/26 10:22	1
1,2-Dibromoethane	<0.0097		0.0097	ug/L		04/09/26 15:42	04/10/26 10:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	103		60 - 140	04/09/26 15:42	04/10/26 10:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.49		0.49	ug/L		04/09/26 15:34	04/10/26 00:27	1
Chlordane (n.o.s.)	<0.097		0.097	ug/L		04/09/26 15:34	04/10/26 00:27	1
PCB-1016	<0.068		0.068	ug/L		04/09/26 15:34	04/10/26 00:27	1
PCB-1221	<0.097		0.097	ug/L		04/09/26 15:34	04/10/26 00:27	1
PCB-1232	<0.097		0.097	ug/L		04/09/26 15:34	04/10/26 00:27	1
PCB-1242	<0.097		0.097	ug/L		04/09/26 15:34	04/10/26 00:27	1
PCB-1248	<0.097		0.097	ug/L		04/09/26 15:34	04/10/26 00:27	1
PCB-1254	<0.097		0.097	ug/L		04/09/26 15:34	04/10/26 00:27	1
PCB-1260	<0.068		0.068	ug/L		04/09/26 15:34	04/10/26 00:27	1
Polychlorinated biphenyls, Total	<0.097		0.097	ug/L		04/09/26 15:34	04/10/26 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		70 - 130	04/09/26 15:34	04/10/26 00:27	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)	<27		27	ug/L		04/10/26 09:57	04/12/26 16:42	1
Motor Oil Range Organics [C24-C36]	<27		27	ug/L		04/10/26 09:57	04/12/26 16:42	1
C8-C18	<27		27	ug/L		04/10/26 09:57	04/12/26 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	96		60 - 130	04/10/26 09:57	04/12/26 16:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10	mg/L			04/14/26 15:53	1

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Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

PWSID Number: HI0000331

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	101	p	52 - 149		04/14/26 15:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	160		5.0	ug/L			04/10/26 07:48	1
Chloride	82		1.0	mg/L			04/08/26 18:42	2
Nitrate as N	0.55		0.10	mg/L			04/08/26 18:42	2
Nitrite as N	<0.10		0.10	mg/L			04/08/26 18:42	2
Sulfate	12		0.50	mg/L			04/08/26 18:42	2

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	19		0.10	mg/L			04/09/26 14:45	1
Magnesium	15		0.10	mg/L			04/09/26 14:45	1
Potassium	2.1	^2	0.20	mg/L			04/09/26 14:45	1
Sodium	29		0.10	mg/L			04/09/26 14:45	1

Method: EPA 200.8 - Mercury (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L		04/15/26 10:17	04/15/26 19:12	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			04/09/26 14:44	1
Arsenic	<1.0		1.0	ug/L			04/09/26 14:44	1
Beryllium	<0.30		0.30	ug/L			04/09/26 14:44	1
Cadmium	<0.50		0.50	ug/L			04/09/26 14:44	1
Chromium	1.7		0.90	ug/L			04/09/26 14:44	1
Copper	1.7		1.0	ug/L			04/09/26 14:44	1
Lead	<0.50		0.50	ug/L			04/09/26 14:44	1
Nickel	<5.0		5.0	ug/L			04/09/26 14:44	1
Selenium	<2.0		2.0	ug/L			04/09/26 14:44	1
Silver	<0.50		0.50	ug/L			04/09/26 14:44	1
Thallium	<0.30		0.30	ug/L			04/09/26 14:44	1
Zinc	<5.0		5.0	ug/L			04/09/26 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	54		2.0	mg/L			04/09/26 20:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	54		2.0	mg/L			04/09/26 20:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<2.0		2.0	mg/L			04/09/26 20:57	1
Specific Conductance (SM 2510B)	400		2.0	umhos/cm			04/09/26 20:57	1
Total Dissolved Solids (SM 2540C)	270		20	mg/L			04/09/26 13:50	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			04/09/26 22:45	1
pH (SM 4500 H+ B)	8.0	HF		SU			04/09/26 20:57	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			04/13/26 15:33	1

Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-2

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

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			04/15/26 23:01	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			04/15/26 23:01	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			04/15/26 23:01	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			04/15/26 23:01	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			04/15/26 23:01	1
1,1-Dichloroethane	<0.50		0.50	ug/L			04/15/26 23:01	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			04/15/26 23:01	1
1,1-Dichloropropene	<0.50		0.50	ug/L			04/15/26 23:01	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/15/26 23:01	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
1,2-Dichloroethane	<0.50		0.50	ug/L			04/15/26 23:01	1
1,2-Dichloropropane	<0.50		0.50	ug/L			04/15/26 23:01	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
1,3-Dichloropropane	<0.50		0.50	ug/L			04/15/26 23:01	1
2,2-Dichloropropane	<0.50		0.50	ug/L			04/15/26 23:01	1
2-Butanone (MEK)	<5.0		5.0	ug/L			04/15/26 23:01	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			04/15/26 23:01	1
Acetone	<500		500	ug/L			04/15/26 23:01	1
Benzene	<0.50	^3+	0.50	ug/L			04/15/26 23:01	1
Bromobenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
Bromochloromethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Bromodichloromethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Bromoform	<0.50		0.50	ug/L			04/15/26 23:01	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			04/15/26 23:01	1
Carbon disulfide	<0.50		0.50	ug/L			04/15/26 23:01	1
Carbon tetrachloride	<0.50		0.50	ug/L			04/15/26 23:01	1
Chlorobenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
Chlorodibromomethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Chloroethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			04/15/26 23:01	1
Dichloromethane	<0.50		0.50	ug/L			04/15/26 23:01	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 23:01	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/15/26 23:01	1
Dibromomethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Ethylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/15/26 23:01	1
Isopropylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
m,p-Xylenes	<0.50		0.50	ug/L			04/15/26 23:01	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			04/15/26 23:01	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			04/15/26 23:01	1
Naphthalene	<0.50		0.50	ug/L			04/15/26 23:01	1
n-Butylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
N-Propylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			04/15/26 23:01	1
o-Chlorotoluene	<0.50		0.50	ug/L			04/15/26 23:01	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-2

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	ug/L			04/15/26 23:01	1
p-Chlorotoluene	<0.50		0.50	ug/L			04/15/26 23:01	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			04/15/26 23:01	1
p-Isopropyltoluene	<0.50		0.50	ug/L			04/15/26 23:01	1
sec-Butylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
Styrene	<0.50		0.50	ug/L			04/15/26 23:01	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			04/15/26 23:01	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			04/15/26 23:01	1
tert-Butylbenzene	<0.50		0.50	ug/L			04/15/26 23:01	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			04/15/26 23:01	1
Toluene	<0.50		0.50	ug/L			04/15/26 23:01	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			04/15/26 23:01	1
Xylenes, Total	<0.50		0.50	ug/L			04/15/26 23:01	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 23:01	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/15/26 23:01	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			04/15/26 23:01	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			04/15/26 23:01	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			04/15/26 23:01	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Bromoethane	<0.50		0.50	ug/L			04/15/26 23:01	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			04/15/26 23:01	1
Diisopropyl ether	<3.0		3.0	ug/L			04/15/26 23:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Furfural	35	T J N	ug/L		9.46	98-01-1		04/15/26 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		04/15/26 23:01	1
1,2-Dichloroethane-d4 (Surr)	106		70 - 130		04/15/26 23:01	1
4-Bromofluorobenzene (Surr)	114		70 - 130		04/15/26 23:01	1
4-Bromofluorobenzene (Surr)	114		70 - 130		04/15/26 23:01	1
Toluene-d8 (Surr)	88		70 - 130		04/15/26 23:01	1
Toluene-d8 (Surr)	88		70 - 130		04/15/26 23:01	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			04/17/26 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		38 - 134		04/17/26 22:01	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		04/09/26 15:42	04/10/26 11:26	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		04/09/26 15:42	04/10/26 11:26	1
1,2-Dibromoethane	<0.010		0.010	ug/L		04/09/26 15:42	04/10/26 11:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	111		60 - 140		04/09/26 15:42	04/10/26 11:26

Eurofins Pomona

Action Limit Summary

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	EPAMCL S Limit	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50	^3+	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	<0.0098		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0098		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0098		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	<0.99		ug/L		1		625.1 SIM	Total/NA
1,2,3-Trichloropropane	<0.019		ug/L	0.6000			504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.0097		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.0097		ug/L		0.05		504.1	Total/NA

Action Limit Summary

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	EPAMCL S Limit	Method	Prep Type
Toxaphene	<0.49		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	<0.097		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.097		ug/L		0.5		505	Total/NA
Chloride	82		mg/L			250	300.0	Total/NA
Nitrate as N	0.55		mg/L		10		300.0	Total/NA
Nitrite as N	<0.10		mg/L		1		300.0	Total/NA
Sulfate	12		mg/L			250	300.0	Total/NA
Antimony	<1.0		ug/L		6		200.8	Total/NA
Arsenic	<1.0		ug/L		10		200.8	Total/NA
Beryllium	<0.30		ug/L		4		200.8	Total/NA
Cadmium	<0.50		ug/L		5		200.8	Total/NA
Chromium	1.7		ug/L		100		200.8	Total/NA
Copper	1.7		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	<5.0		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	270		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	8.0	HF	SU			6.5	SM 4500 H+ B	Total/NA

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

Lab Sample ID: 380-206996-2

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Benzene	<0.50	^3+	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

Eurofins Pomona

Action Limit Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-2

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
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: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	104	104	107	107	90	90
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	106	106	114	114	88	88
LCS 380-220208/3	Lab Control Sample	96	96	109	109	101	101
LCSD 380-220208/4	Lab Control Sample Dup	104	104	109	109	103	103
MB 380-220208/5	Method Blank	100	100	106	106	87	87
MRL 380-219986/3	Lab Control Sample	107	107	102	102	95	95
MRL 380-219986/4	Lab Control Sample	110	110	101	101	98	98

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	98	88	95
380-207013-R-1-A MS	Matrix Spike	98	93	100
380-207013-S-1-A MSD	Matrix Spike Duplicate	97	93	102
LCS 380-219571/23-A	Lab Control Sample	96	95	103
MB 380-219571/21-A	Method Blank	97	88	94
MRL 380-219571/22-A	Lab Control Sample	99	86	98

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	60	90	58	95	36	92
MB 570-722458/1-A	Method Blank	75	86	59	104	35	85

Surrogate Legend

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

Surrogate Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	88	90	58	96	36	87
LCS 570-722458/2-A	Lab Control Sample	80	79	62	75	40	83
LCS 570-722458/3-A	Lab Control Sample Dup	89	86	69	81	46	92
MB 570-722458/1-A	Method Blank	86	78	55	89	33	77

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	103
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	93
570-275047-D-4 MS	Matrix Spike	107
570-275047-E-4 MSD	Matrix Spike Duplicate	107
LCS 570-726079/3	Lab Control Sample	103
LCS 570-726079/4	Lab Control Sample Dup	103
MB 570-726079/6	Method Blank	103
MRL 570-726079/5	Lab Control Sample	103

Surrogate Legend

- BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DBPP1 (60-140)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	103
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	111
380-207166-AC-1-A DU	Duplicate	113
380-207170-BJ-1-A MS	Matrix Spike	114
LCS 380-218851/29-A	Lab Control Sample	119
MBL 380-218851/4-A	Method Blank	111
MRL 380-218851/2-A	Lab Control Sample	115
MRL 380-218851/3-A	Lab Control Sample	114

Surrogate Legend

- DBPP = 1,2-Dibromopropane (Surr)

Surrogate Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	88
380-207166-AD-1-A MS	Matrix Spike	94
380-207166-AF-1-A MS	Matrix Spike	103
380-207168-AP-1-A MS	Matrix Spike	99
380-207168-AR-1-A MS	Matrix Spike	95
LCS 380-218890/28-A	Lab Control Sample	103
LCS 380-218890/29-A	Lab Control Sample	97
LCS 380-218890/31-A	Lab Control Sample	100
LCSD 380-218890/30-A	Lab Control Sample Dup	107
MB 380-218890/3-A	Method Blank	108
MRL 380-218890/1-A	Lab Control Sample	93
MRL 380-218890/2-A	Lab Control Sample	97
Surrogate Legend		
TCX = Tetrachloro-m-xylene		

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-206949-B-1-A MS	Matrix Spike	101
380-206949-B-1-B MSD	Matrix Spike Duplicate	106
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	96
LCS 570-722504/2-A	Lab Control Sample	104
LCSD 570-722504/3-A	Lab Control Sample Dup	98
MB 570-722504/1-A	Method Blank	92
MRL 570-722504/4-A	Lab Control Sample	96
Surrogate Legend		
OTCSN = n-Octacosane (Surr)		

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	HF2PP1 (52-149)
380-206996-1	AIEA GULCH WELLS PUMP 2 (331	101 p
380-207013-AB-1 MS	Matrix Spike	97 p
380-207013-AB-1 MSD	Matrix Spike Duplicate	97 p
LCS 570-723893/4	Lab Control Sample	99
LCSD 570-723893/5	Lab Control Sample Dup	101 p
MB 570-723893/3	Method Blank	98 p
MRL 570-723893/6	Lab Control Sample	97
Surrogate Legend		
HF2PP = Hexafluoro-2-propanol (Surr)		

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-219986/3

Matrix: Water

Analysis Batch: 219986

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	0.597		ug/L		119	50 - 150
Vinyl Chloride (VC)	0.250	0.367		ug/L		147	50 - 150
Surrogate							
	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	107		70 - 130				
4-Bromofluorobenzene (Surr)	102		70 - 130				
Toluene-d8 (Surr)	95		70 - 130				

Lab Sample ID: MRL 380-219986/4

Matrix: Water

Analysis Batch: 219986

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	0.635		ug/L		127	50 - 150
1,1,1-Trichloroethane	0.500	0.668		ug/L		134	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.702		ug/L		140	50 - 150
1,1,2-Trichloroethane	0.500	0.714		ug/L		143	50 - 150
1,1-Dichloroethane	0.500	0.700		ug/L		140	50 - 150
1,1-Dichloroethylene	0.500	0.645		ug/L		129	50 - 150
1,1-Dichloropropene	0.500	0.708		ug/L		142	50 - 150
1,2,3-Trichlorobenzene	0.500	0.697		ug/L		139	50 - 150
1,2,3-Trichloropropane	0.500	0.731		ug/L		146	50 - 150
1,2,4-Trichlorobenzene	0.500	0.629		ug/L		126	50 - 150
1,2,4-Trimethylbenzene	0.500	0.570		ug/L		114	50 - 150
1,2-Dichloroethane	0.500	0.700		ug/L		140	50 - 150
1,2-Dichloropropane	0.500	0.674		ug/L		135	50 - 150
1,3,5-Trimethylbenzene	0.500	0.613		ug/L		123	50 - 150
1,3-Dichloropropane	0.500	0.625		ug/L		125	50 - 150
2,2-Dichloropropane	0.500	0.678		ug/L		136	50 - 150
2-Butanone (MEK)	5.00	7.23		ug/L		145	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	6.33		ug/L		127	50 - 150
Acetone	5.00	7.45	J	ug/L		149	50 - 150
Benzene	0.500	0.782	^3+	ug/L		156	50 - 150
Bromobenzene	0.500	0.598		ug/L		120	50 - 150
Bromochloromethane	0.500	0.603		ug/L		121	50 - 150
Bromodichloromethane	0.500	0.641		ug/L		128	50 - 150
Bromoform	0.500	0.550		ug/L		110	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.468	J	ug/L		94	50 - 150
Carbon disulfide	0.500	0.686		ug/L		137	50 - 150
Carbon tetrachloride	0.500	0.615		ug/L		123	50 - 150
Chlorobenzene	0.500	0.655		ug/L		131	50 - 150
Chlorodibromomethane	0.500	0.722		ug/L		144	50 - 150
cis-1,3-Dichloropropene	0.500	0.530		ug/L		106	50 - 150
Dichloromethane	0.500	0.727		ug/L		145	50 - 150
Ethylbenzene	0.500	0.563		ug/L		113	50 - 150
Hexachlorobutadiene	0.500	0.739		ug/L		148	50 - 150
Isopropylbenzene	0.500	0.596		ug/L		119	50 - 150
m,p-Xylenes	1.00	1.15		ug/L		115	50 - 150

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-219986/4

Matrix: Water

Analysis Batch: 219986

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
m-Dichlorobenzene (1,3-DCB)	0.500	0.607		ug/L		121	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.641		ug/L		128	50 - 150
Naphthalene	0.500	0.643		ug/L		129	50 - 150
n-Butylbenzene	0.500	0.608		ug/L		122	50 - 150
N-Propylbenzene	0.500	0.593		ug/L		119	50 - 150
o-Chlorotoluene	0.500	0.590		ug/L		118	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.634		ug/L		127	50 - 150
o-Xylene	0.500	0.588		ug/L		118	50 - 150
p-Chlorotoluene	0.500	0.611		ug/L		122	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.629		ug/L		126	50 - 150
p-Isopropyltoluene	0.500	0.588		ug/L		118	50 - 150
sec-Butylbenzene	0.500	0.578		ug/L		116	50 - 150
Styrene	0.500	0.505		ug/L		101	50 - 150
Tert-amyl methyl ether	0.500	0.689	J	ug/L		138	50 - 150
1,3-Dichloropropene, Total	1.00	1.26		ug/L		126	50 - 150
Tert-butyl ethyl ether	0.500	0.712	J	ug/L		142	50 - 150
tert-Butylbenzene	0.500	0.624		ug/L		125	50 - 150
Tetrachloroethene (PCE)	0.500	0.629		ug/L		126	50 - 150
Toluene	0.500	0.624		ug/L		125	50 - 150
trans-1,2-Dichloroethylene	0.500	0.666		ug/L		133	50 - 150
trans-1,3-Dichloropropene	0.500	0.727		ug/L		145	50 - 150
Trichloroethylene (TCE)	0.500	0.669		ug/L		134	50 - 150
Bromoethane	0.500	0.717		ug/L		143	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.588		ug/L		118	50 - 150
Trichlorotrifluoroethane	0.500	0.655		ug/L		131	50 - 150
Diisopropyl ether	0.500	0.695	J	ug/L		139	50 - 150
Vinyl Chloride (VC)	0.500	0.719		ug/L		144	50 - 150
Xylenes, Total	1.50	1.73		ug/L		116	50 - 150

Surrogate	MRL	MRL	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	110		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MB 380-220208/5

Matrix: Water

Analysis Batch: 220208

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			04/15/26 22:38	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
1,1-Dichloroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 22:38	1
1,1-Dichloropropene	<0.50		0.50	ug/L			04/15/26 22:38	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			04/15/26 22:38	1

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 380-220208/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220208

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2,3-Trichloropropane	<0.50		0.50	ug/L			04/15/26 22:38	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
1,2-Dichloroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
1,2-Dichloropropane	<0.50		0.50	ug/L			04/15/26 22:38	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
1,3-Dichloropropane	<0.50		0.50	ug/L			04/15/26 22:38	1
2,2-Dichloropropane	<0.50		0.50	ug/L			04/15/26 22:38	1
2-Butanone (MEK)	<5.0		5.0	ug/L			04/15/26 22:38	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			04/15/26 22:38	1
Acetone	<500		500	ug/L			04/15/26 22:38	1
Benzene	<0.50	^3+	0.50	ug/L			04/15/26 22:38	1
Bromobenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
Bromochloromethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Bromodichloromethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Bromoform	<0.50		0.50	ug/L			04/15/26 22:38	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			04/15/26 22:38	1
Carbon disulfide	<0.50		0.50	ug/L			04/15/26 22:38	1
Carbon tetrachloride	<0.50		0.50	ug/L			04/15/26 22:38	1
Chlorobenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
Chlorodibromomethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Chloroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			04/15/26 22:38	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 22:38	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			04/15/26 22:38	1
Dibromomethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Dichloromethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Ethylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
Hexachlorobutadiene	<0.50		0.50	ug/L			04/15/26 22:38	1
Isopropylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
m,p-Xylenes	<0.50		0.50	ug/L			04/15/26 22:38	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			04/15/26 22:38	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			04/15/26 22:38	1
Naphthalene	<0.50		0.50	ug/L			04/15/26 22:38	1
n-Butylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
N-Propylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
o-Chlorotoluene	<0.50		0.50	ug/L			04/15/26 22:38	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			04/15/26 22:38	1
o-Xylene	<0.50		0.50	ug/L			04/15/26 22:38	1
p-Chlorotoluene	<0.50		0.50	ug/L			04/15/26 22:38	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			04/15/26 22:38	1
p-Isopropyltoluene	<0.50		0.50	ug/L			04/15/26 22:38	1
sec-Butylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1
Styrene	<0.50		0.50	ug/L			04/15/26 22:38	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			04/15/26 22:38	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			04/15/26 22:38	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			04/15/26 22:38	1
tert-Butylbenzene	<0.50		0.50	ug/L			04/15/26 22:38	1

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 380-220208/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220208

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			04/15/26 22:38	1
Toluene	<0.50		0.50	ug/L			04/15/26 22:38	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			04/15/26 22:38	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			04/15/26 22:38	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			04/15/26 22:38	1
Bromoethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			04/15/26 22:38	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			04/15/26 22:38	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			04/15/26 22:38	1
Diisopropyl ether	<3.0		3.0	ug/L			04/15/26 22:38	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			04/15/26 22:38	1
Xylenes, Total	<0.50		0.50	ug/L			04/15/26 22:38	1

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		04/15/26 22:38	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		70 - 130		04/15/26 22:38	1
4-Bromofluorobenzene (Surr)	106		70 - 130		04/15/26 22:38	1
Toluene-d8 (Surr)	87		70 - 130		04/15/26 22:38	1

Lab Sample ID: LCS 380-220208/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220208

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	5.00	4.37		ug/L		87	70 - 130
1,1,1-Trichloroethane	5.00	4.22		ug/L		84	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.95		ug/L		99	70 - 130
1,1,2-Trichloroethane	5.00	4.46		ug/L		89	70 - 130
1,1-Dichloroethane	5.00	4.56		ug/L		91	70 - 130
1,1-Dichloroethylene	5.00	4.56		ug/L		91	70 - 130
1,1-Dichloropropene	5.00	4.66		ug/L		93	70 - 130
1,2,3-Trichlorobenzene	5.00	4.91		ug/L		98	70 - 130
1,2,3-Trichloropropane	5.00	5.46		ug/L		109	70 - 130
1,2,4-Trichlorobenzene	5.00	4.68		ug/L		94	70 - 130
1,2,4-Trimethylbenzene	5.00	5.36		ug/L		107	70 - 130
1,2-Dichloroethane	5.00	4.54		ug/L		91	70 - 130
1,2-Dichloropropane	5.00	4.33		ug/L		87	70 - 130
1,3,5-Trimethylbenzene	5.00	5.21		ug/L		104	70 - 130
1,3-Dichloropropane	5.00	4.31		ug/L		86	70 - 130
2,2-Dichloropropane	5.00	3.78		ug/L		76	70 - 130
2-Butanone (MEK)	50.0	43.1		ug/L		86	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	45.9		ug/L		92	70 - 130
Acetone	50.0	52.1	J	ug/L		104	70 - 130
Benzene	5.00	4.91	^3+	ug/L		98	70 - 130
Bromobenzene	5.00	4.80		ug/L		96	70 - 130
Bromochloromethane	5.00	4.35		ug/L		87	70 - 130

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 380-220208/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220208

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Bromodichloromethane	5.00	4.12		ug/L		82	70 - 130
Bromoform	5.00	5.96		ug/L		119	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.40		ug/L		108	70 - 130
Carbon disulfide	5.00	4.04		ug/L		81	70 - 130
Carbon tetrachloride	5.00	4.27		ug/L		85	70 - 130
Chlorobenzene	5.00	4.49		ug/L		90	70 - 130
Chlorodibromomethane	5.00	4.84		ug/L		97	70 - 130
cis-1,3-Dichloropropene	5.00	3.93		ug/L		79	70 - 130
Dichloromethane	5.00	4.53		ug/L		91	70 - 130
Ethylbenzene	5.00	4.41		ug/L		88	70 - 130
Hexachlorobutadiene	5.00	4.90		ug/L		98	70 - 130
Isopropylbenzene	5.00	4.81		ug/L		96	70 - 130
m,p-Xylenes	10.0	9.24		ug/L		92	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	4.87		ug/L		97	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	4.66		ug/L		93	70 - 130
Naphthalene	5.00	4.87		ug/L		97	70 - 130
n-Butylbenzene	5.00	4.72		ug/L		94	70 - 130
N-Propylbenzene	5.00	5.04		ug/L		101	70 - 130
o-Chlorotoluene	5.00	4.90		ug/L		98	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	4.57		ug/L		91	70 - 130
o-Xylene	5.00	4.50		ug/L		90	70 - 130
p-Chlorotoluene	5.00	4.85		ug/L		97	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.11		ug/L		102	70 - 130
p-Isopropyltoluene	5.00	5.17		ug/L		103	70 - 130
sec-Butylbenzene	5.00	5.07		ug/L		101	70 - 130
Styrene	5.00	4.47		ug/L		89	70 - 130
Tert-amyl methyl ether	5.00	4.23		ug/L		85	70 - 130
1,3-Dichloropropene, Total	10.0	8.36		ug/L		84	70 - 130
Tert-butyl ethyl ether	5.00	4.48		ug/L		90	70 - 130
tert-Butylbenzene	5.00	4.86		ug/L		97	70 - 130
Tetrachloroethene (PCE)	5.00	4.43		ug/L		89	70 - 130
Toluene	5.00	4.48		ug/L		90	70 - 130
trans-1,2-Dichloroethylene	5.00	4.52		ug/L		90	70 - 130
trans-1,3-Dichloropropene	5.00	4.43		ug/L		89	70 - 130
Trichloroethylene (TCE)	5.00	4.39		ug/L		88	70 - 130
Bromoethane	5.00	4.68		ug/L		94	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	4.41		ug/L		88	70 - 130
Trichlorotrifluoroethane	5.00	4.60		ug/L		92	70 - 130
Diisopropyl ether	5.00	4.37		ug/L		87	70 - 130
Vinyl Chloride (VC)	5.00	4.19		ug/L		84	70 - 130
Xylenes, Total	15.0	13.7		ug/L		92	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	109		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCSD 380-220208/4

Matrix: Water

Analysis Batch: 220208

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	4.39		ug/L		88	70 - 130	0	20
1,1,1-Trichloroethane	5.00	4.51		ug/L		90	70 - 130	7	20
1,1,2,2-Tetrachloroethane	5.00	4.79		ug/L		96	70 - 130	3	20
1,1,2-Trichloroethane	5.00	4.45		ug/L		89	70 - 130	0	20
1,1-Dichloroethane	5.00	4.46		ug/L		89	70 - 130	2	20
1,1-Dichloroethylene	5.00	4.45		ug/L		89	70 - 130	2	20
1,1-Dichloropropene	5.00	4.55		ug/L		91	70 - 130	2	20
1,2,3-Trichlorobenzene	5.00	4.72		ug/L		94	70 - 130	4	20
1,2,3-Trichloropropane	5.00	5.05		ug/L		101	70 - 130	8	20
1,2,4-Trichlorobenzene	5.00	4.62		ug/L		92	70 - 130	1	20
1,2,4-Trimethylbenzene	5.00	4.99		ug/L		100	70 - 130	7	20
1,2-Dichloroethane	5.00	4.59		ug/L		92	70 - 130	1	20
1,2-Dichloropropane	5.00	4.50		ug/L		90	70 - 130	4	20
1,3,5-Trimethylbenzene	5.00	4.96		ug/L		99	70 - 130	5	20
1,3-Dichloropropane	5.00	4.30		ug/L		86	70 - 130	0	20
2,2-Dichloropropane	5.00	3.99		ug/L		80	70 - 130	6	20
2-Butanone (MEK)	50.0	44.0		ug/L		88	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	50.0	46.5		ug/L		93	70 - 130	1	20
Acetone	50.0	49.2	J	ug/L		98	70 - 130	6	20
Benzene	5.00	4.67	^3+	ug/L		93	70 - 130	5	20
Bromobenzene	5.00	4.86		ug/L		97	70 - 130	1	20
Bromochloromethane	5.00	4.59		ug/L		92	70 - 130	6	20
Bromodichloromethane	5.00	4.14		ug/L		83	70 - 130	1	20
Bromoform	5.00	5.71		ug/L		114	70 - 130	4	20
Bromomethane (Methyl Bromide)	5.00	5.66		ug/L		113	70 - 130	5	20
Carbon disulfide	5.00	4.06		ug/L		81	70 - 130	1	20
Carbon tetrachloride	5.00	4.12		ug/L		82	70 - 130	3	20
Chlorobenzene	5.00	4.58		ug/L		92	70 - 130	2	20
Chlorodibromomethane	5.00	5.03		ug/L		101	70 - 130	4	20
cis-1,3-Dichloropropene	5.00	4.05		ug/L		81	70 - 130	3	20
Dichloromethane	5.00	4.57		ug/L		91	70 - 130	1	20
Ethylbenzene	5.00	4.58		ug/L		92	70 - 130	4	20
Hexachlorobutadiene	5.00	4.69		ug/L		94	70 - 130	4	20
Isopropylbenzene	5.00	4.71		ug/L		94	70 - 130	2	20
m,p-Xylenes	10.0	9.14		ug/L		91	70 - 130	1	20
m-Dichlorobenzene (1,3-DCB)	5.00	4.64		ug/L		93	70 - 130	5	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.77		ug/L		95	70 - 130	2	20
Naphthalene	5.00	4.71		ug/L		94	70 - 130	3	20
n-Butylbenzene	5.00	4.58		ug/L		92	70 - 130	3	20
N-Propylbenzene	5.00	4.73		ug/L		95	70 - 130	6	20
o-Chlorotoluene	5.00	4.86		ug/L		97	70 - 130	1	20
o-Dichlorobenzene (1,2-DCB)	5.00	4.51		ug/L		90	70 - 130	1	20
o-Xylene	5.00	4.55		ug/L		91	70 - 130	1	20
p-Chlorotoluene	5.00	4.72		ug/L		94	70 - 130	3	20
p-Dichlorobenzene (1,4-DCB)	5.00	4.76		ug/L		95	70 - 130	7	20
p-Isopropyltoluene	5.00	4.70		ug/L		94	70 - 130	10	20
sec-Butylbenzene	5.00	4.89		ug/L		98	70 - 130	4	20
Styrene	5.00	4.68		ug/L		94	70 - 130	4	20

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCSD 380-220208/4

Matrix: Water

Analysis Batch: 220208

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD
	Added	Result	Qualifier						Limit
Tert-amyl methyl ether	5.00	4.36		ug/L		87	70 - 130	3	20
1,3-Dichloropropene, Total	10.0	8.73		ug/L		87	70 - 130	4	20
Tert-butyl ethyl ether	5.00	4.50		ug/L		90	70 - 130	0	20
tert-Butylbenzene	5.00	4.71		ug/L		94	70 - 130	3	20
Tetrachloroethene (PCE)	5.00	4.57		ug/L		91	70 - 130	3	20
Toluene	5.00	4.52		ug/L		90	70 - 130	1	20
trans-1,2-Dichloroethylene	5.00	4.47		ug/L		89	70 - 130	1	20
trans-1,3-Dichloropropene	5.00	4.68		ug/L		94	70 - 130	5	20
Trichloroethylene (TCE)	5.00	4.53		ug/L		91	70 - 130	3	20
Bromoethane	5.00	4.54		ug/L		91	70 - 130	3	20
Trichlorofluoromethane (Freon 11)	5.00	4.75		ug/L		95	70 - 130	7	20
Trichlorotrifluoroethane	5.00	4.83		ug/L		97	70 - 130	5	20
Diisopropyl ether	5.00	4.47		ug/L		89	70 - 130	2	20
Vinyl Chloride (VC)	5.00	4.25		ug/L		85	70 - 130	1	20
Xylenes, Total	15.0	13.7		ug/L		91	70 - 130	0	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	109		70 - 130
Toluene-d8 (Surr)	103		70 - 130

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

Lab Sample ID: MB 380-219571/21-A

Matrix: Water

Analysis Batch: 220114

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 219571

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
2,4'-DDD	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
2,4'-DDE	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
2,4'-DDT	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
4,4'-DDD	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
4,4'-DDE	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
4,4'-DDT	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Acenaphthene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Acenaphthylene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Acetochlor	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Alachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
alpha-BHC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
alpha-Chlordane	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Anthracene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 09:00	1
Atrazine	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Benz(a)anthracene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Benzo[a]pyrene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 09:00	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 09:00	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1

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QC Sample Results

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 380-219571/21-A
Matrix: Water
Analysis Batch: 220114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 219571

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzo[k]fluoranthene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 09:00	1
beta-BHC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		04/13/26 15:53	04/15/26 09:00	1
Aldrin	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Bromacil	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Butachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Butylbenzylphthalate	<0.49		0.49	ug/L		04/13/26 15:53	04/15/26 09:00	1
Chlorobenzilate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Chloroneb	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Chlorpyrifos	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Chrysene	<0.020		0.020	ug/L		04/13/26 15:53	04/15/26 09:00	1
delta-BHC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		04/13/26 15:53	04/15/26 09:00	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Dieldrin	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Diethylphthalate	<0.49		0.49	ug/L		04/13/26 15:53	04/15/26 09:00	1
Dimethylphthalate	<0.49		0.49	ug/L		04/13/26 15:53	04/15/26 09:00	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		04/13/26 15:53	04/15/26 09:00	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Endosulfan sulfate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Endrin	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Endrin aldehyde	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
EPTC	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Fluoranthene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Fluorene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 09:00	1
gamma-Chlordane	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Heptachlor	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Hexachlorobenzene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Isophorone	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Malathion	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Methoxychlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Metolachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Molinate	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Naphthalene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Parathion	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Phenanthrene	<0.039		0.039	ug/L		04/13/26 15:53	04/15/26 09:00	1
Propachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Pyrene	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Simazine	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Terbacil	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 380-219571/21-A
Matrix: Water
Analysis Batch: 220114

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 219571

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Terbutylazine	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Thiobencarb	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		04/13/26 15:53	04/15/26 09:00	1
trans-Nonachlor	<0.049		0.049	ug/L		04/13/26 15:53	04/15/26 09:00	1
Trifluralin	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
1-Methylnaphthalene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1
2-Methylnaphthalene	<0.098		0.098	ug/L		04/13/26 15:53	04/15/26 09:00	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Pentadecane, 7-methyl-	1.21	T J N	ug/L		3.01	6165-40-8	04/13/26 15:53	04/15/26 09:00	1
Undecane	5.08	T J N	ug/L		3.13	1120-21-4	04/13/26 15:53	04/15/26 09:00	1
Plumbane, diethyldimethyl-	0.746	T J N	ug/L		3.26	1762-27-2	04/13/26 15:53	04/15/26 09:00	1
Cyclohexasiloxane, dodecamethyl-	0.662	T J N	ug/L		3.87	540-97-6	04/13/26 15:53	04/15/26 09:00	1
9-Octadecenamamide, (Z)-	0.629	T J N	ug/L		7.88	301-02-0	04/13/26 15:53	04/15/26 09:00	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Nitro-m-xylene	97		70 - 130	04/13/26 15:53	04/15/26 09:00	1
Perylene-d12	88		70 - 130	04/13/26 15:53	04/15/26 09:00	1
Triphenylphosphate	94		70 - 130	04/13/26 15:53	04/15/26 09:00	1

Lab Sample ID: LCS 380-219571/23-A
Matrix: Water
Analysis Batch: 220114

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 219571

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
2,4'-DDD	1.96	2.19		ug/L		112	70 - 130
2,4'-DDE	1.96	2.21		ug/L		113	70 - 130
2,4'-DDT	1.96	2.16		ug/L		110	70 - 130
2,4-Dinitrotoluene	1.96	2.05		ug/L		104	70 - 130
2,6-Dinitrotoluene	1.96	1.95		ug/L		99	70 - 130
4,4'-DDD	1.96	2.30		ug/L		117	70 - 130
4,4'-DDE	1.96	1.93		ug/L		98	70 - 130
4,4'-DDT	1.96	2.38		ug/L		121	70 - 130
Acenaphthene	1.96	1.98		ug/L		101	70 - 130
Acenaphthylene	1.96	2.13		ug/L		108	70 - 130
Acetochlor	1.96	2.30		ug/L		117	70 - 130
Alachlor	1.96	2.35		ug/L		120	70 - 130
alpha-BHC	1.96	2.11		ug/L		108	70 - 130
alpha-Chlordane	1.96	2.18		ug/L		111	70 - 130
Anthracene	1.96	2.05		ug/L		104	70 - 130
Atrazine	1.96	2.26		ug/L		115	70 - 130
Benz(a)anthracene	1.96	2.09		ug/L		107	70 - 130
Benzo[a]pyrene	1.96	2.09		ug/L		106	70 - 130
Benzo[b]fluoranthene	1.96	2.14		ug/L		109	70 - 130
Benzo[g,h,i]perylene	1.96	1.96		ug/L		100	70 - 130
Benzo[k]fluoranthene	1.96	2.10		ug/L		107	70 - 130
beta-BHC	1.96	2.24		ug/L		114	70 - 130
Bis(2-ethylhexyl) phthalate	1.96	2.14		ug/L		109	70 - 130

QC Sample Results

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 380-219571/23-A

Matrix: Water

Analysis Batch: 220114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 219571

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Aldrin	1.96	1.92		ug/L		98	70 - 130
Bromacil	1.96	1.92		ug/L		98	70 - 130
Butachlor	1.96	2.42		ug/L		123	70 - 130
Butylbenzylphthalate	1.96	2.29		ug/L		117	70 - 130
Chlorobenzilate	1.96	2.23		ug/L		114	70 - 130
Chloroneb	1.96	2.15		ug/L		109	70 - 130
Chlorothalonil (Draconil, Bravo)	1.96	2.16		ug/L		110	70 - 130
Chlorpyrifos	1.96	2.43		ug/L		124	70 - 130
Chrysene	1.96	2.27		ug/L		116	70 - 130
delta-BHC	1.96	2.09		ug/L		106	70 - 130
Di(2-ethylhexyl)adipate	1.96	2.25		ug/L		114	70 - 130
Dibenz(a,h)anthracene	1.96	1.95		ug/L		99	70 - 130
Diclorvos (DDVP)	1.96	2.11		ug/L		108	70 - 130
Dieldrin	1.96	2.23		ug/L		114	70 - 130
Diethylphthalate	1.96	2.34		ug/L		119	70 - 130
Dimethylphthalate	1.96	2.13		ug/L		109	70 - 130
Di-n-butyl phthalate	3.93	4.40		ug/L		112	70 - 130
Di-n-octyl phthalate	1.96	2.15		ug/L		109	70 - 130
Endosulfan I (Alpha)	1.96	2.23		ug/L		114	70 - 130
Endosulfan II (Beta)	1.96	2.18		ug/L		111	70 - 130
Endosulfan sulfate	1.96	2.05		ug/L		105	70 - 130
Endrin	1.96	2.44		ug/L		124	70 - 130
Endrin aldehyde	1.96	2.06		ug/L		105	60 - 130
EPTC	1.96	2.22		ug/L		113	70 - 130
Fluoranthene	1.96	2.28		ug/L		116	70 - 130
Fluorene	1.96	2.12		ug/L		108	70 - 130
gamma-BHC (Lindane)	1.96	2.38		ug/L		121	70 - 130
gamma-Chlordane	1.96	2.27		ug/L		116	70 - 130
Heptachlor	1.96	2.04		ug/L		104	70 - 130
Heptachlor epoxide (isomer B)	1.96	2.14		ug/L		109	70 - 130
Hexachlorobenzene	1.96	1.96		ug/L		100	70 - 130
Hexachlorocyclopentadiene	1.96	1.87		ug/L		95	70 - 130
Indeno[1,2,3-cd]pyrene	1.96	2.03		ug/L		104	70 - 130
Isophorone	1.96	2.09		ug/L		106	70 - 130
Malathion	1.96	2.20		ug/L		112	70 - 130
Methoxychlor	1.96	2.36		ug/L		120	70 - 130
Metolachlor	1.96	2.40		ug/L		122	70 - 130
Molinate	1.96	2.30		ug/L		117	70 - 130
Naphthalene	1.96	2.09		ug/L		106	70 - 130
Parathion	1.96	2.41		ug/L		122	70 - 130
Pendimethalin (Penoxaline)	1.96	2.22		ug/L		113	70 - 130
Phenanthrene	1.96	2.03		ug/L		103	70 - 130
Propachlor	1.96	2.40		ug/L		122	70 - 130
Pyrene	1.96	2.36		ug/L		120	70 - 130
Simazine	1.96	2.10		ug/L		107	70 - 130
Terbacil	1.96	1.94		ug/L		99	70 - 130
Terbuthylazine	1.96	2.23		ug/L		114	70 - 130
Thiobencarb	1.96	2.33		ug/L		119	70 - 130
trans-Nonachlor	1.96	2.18		ug/L		111	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 380-219571/23-A

Matrix: Water

Analysis Batch: 220114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 219571

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Trifluralin	1.96	2.00		ug/L		102	70 - 130
1-Methylnaphthalene	1.96	1.92		ug/L		98	70 - 130
2-Methylnaphthalene	1.96	2.01		ug/L		102	70 - 130
Surrogate							
		LCS	LCS				
	%Recovery	Qualifier	Limits				
2-Nitro-m-xylene	96		70 - 130				
Perylene-d12	95		70 - 130				
Triphenylphosphate	103		70 - 130				

Lab Sample ID: MRL 380-219571/22-A

Matrix: Water

Analysis Batch: 220114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 219571

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
2,4'-DDD	0.0985	0.0922	J	ug/L		94	50 - 150
2,4'-DDE	0.0985	0.0964	J	ug/L		98	50 - 150
2,4'-DDT	0.0985	0.112		ug/L		113	50 - 150
2,4-Dinitrotoluene	0.0985	0.110		ug/L		112	50 - 150
2,6-Dinitrotoluene	0.0985	0.127		ug/L		129	50 - 150
4,4'-DDD	0.0985	0.109		ug/L		111	50 - 150
4,4'-DDE	0.0985	0.0897	J	ug/L		91	50 - 150
4,4'-DDT	0.0985	0.118		ug/L		119	50 - 150
Acenaphthene	0.0985	0.0969	J	ug/L		98	50 - 150
Acenaphthylene	0.0985	0.0853	J	ug/L		87	50 - 150
Acetochlor	0.0985	0.102		ug/L		104	50 - 150
Alachlor	0.0493	0.0526		ug/L		107	50 - 150
alpha-BHC	0.0985	0.0916	J	ug/L		93	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		107	50 - 150
Anthracene	0.0197	0.0190	J	ug/L		96	50 - 150
Atrazine	0.0493	0.0524		ug/L		106	50 - 150
Benz(a)anthracene	0.0493	0.0465	J	ug/L		94	50 - 150
Benzo[a]pyrene	0.0197	0.0200		ug/L		101	50 - 150
Benzo[b]fluoranthene	0.0197	0.0257		ug/L		131	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0480	J	ug/L		97	50 - 150
Benzo[k]fluoranthene	0.0197	0.0220		ug/L		112	50 - 150
beta-BHC	0.0985	0.0965	J	ug/L		98	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.567	J	ug/L		96	50 - 150
Aldrin	0.00985	<0.0099		ug/L		63	50 - 150
Bromacil	0.0985	0.101		ug/L		103	50 - 150
Butachlor	0.0493	0.0500		ug/L		102	50 - 150
Butylbenzylphthalate	0.493	0.520		ug/L		106	50 - 150
Chlorobenzilate	0.0985	0.0979	J	ug/L		99	50 - 150
Chloroneb	0.0985	0.0975	J	ug/L		99	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.101		ug/L		102	50 - 150
Chlorpyrifos	0.0493	0.0442	J	ug/L		90	50 - 150
Chrysene	0.0197	0.0228		ug/L		116	50 - 150
delta-BHC	0.0985	0.0916	J	ug/L		93	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.595		ug/L		101	50 - 150

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-219571/22-A

Matrix: Water

Analysis Batch: 220114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 219571

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dibenz(a,h)anthracene	0.0493	0.0471	J	ug/L		96	50 - 150
Diclorvos (DDVP)	0.0493	0.0570		ug/L		116	50 - 150
Dieldrin	0.00985	0.0126		ug/L		128	50 - 150
Diethylphthalate	0.493	0.518		ug/L		105	50 - 150
Dimethylphthalate	0.493	0.483	J	ug/L		98	50 - 150
Di-n-butyl phthalate	0.493	0.532	J	ug/L		108	49 - 243
Di-n-octyl phthalate	0.0985	0.0971	J	ug/L		99	50 - 150
Endosulfan I (Alpha)	0.0985	0.0912	J	ug/L		93	50 - 150
Endosulfan II (Beta)	0.0985	0.0886	J	ug/L		90	50 - 150
Endosulfan sulfate	0.0985	0.102		ug/L		104	50 - 150
Endrin	0.00985	0.0115		ug/L		116	50 - 150
Endrin aldehyde	0.0985	0.0955	J	ug/L		97	50 - 150
EPTC	0.0985	0.0959	J	ug/L		97	50 - 150
Fluoranthene	0.0985	0.0858	J	ug/L		87	50 - 150
Fluorene	0.0493	<0.049		ug/L		97	50 - 150
gamma-BHC (Lindane)	0.00985	0.0102		ug/L		103	50 - 150
gamma-Chlordane	0.0246	0.0261	J	ug/L		106	50 - 150
Heptachlor	0.00985	0.0119		ug/L		121	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.00881	J	ug/L		89	50 - 150
Hexachlorobenzene	0.0493	0.0406	J	ug/L		82	50 - 150
Hexachlorocyclopentadiene	0.0493	0.0527		ug/L		107	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0473	J	ug/L		96	50 - 150
Isophorone	0.0985	0.112		ug/L		113	50 - 150
Malathion	0.0985	0.0964	J	ug/L		98	50 - 150
Methoxychlor	0.0493	0.0567		ug/L		115	50 - 150
Metolachlor	0.0493	0.0532		ug/L		108	50 - 150
Molinate	0.0985	0.0957	J	ug/L		97	50 - 150
Naphthalene	0.0985	0.0959	J	ug/L		97	50 - 150
Parathion	0.0985	0.0949	J	ug/L		96	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0995		ug/L		101	50 - 150
Phenanthrene	0.0394	0.0387	J	ug/L		98	50 - 150
Propachlor	0.0493	0.0493		ug/L		100	50 - 150
Pyrene	0.0493	0.0453	J	ug/L		92	50 - 150
Simazine	0.0493	0.0535		ug/L		109	50 - 150
Terbacil	0.0985	0.106		ug/L		108	50 - 150
Terbutylazine	0.0985	0.102		ug/L		103	50 - 150
Thiobencarb	0.0985	0.107		ug/L		109	50 - 150
trans-Nonachlor	0.0246	0.0289	J	ug/L		117	50 - 150
Trifluralin	0.0985	0.0925	J	ug/L		94	50 - 150
1-Methylnaphthalene	0.0985	0.116		ug/L		118	50 - 150
2-Methylnaphthalene	0.0985	0.108		ug/L		109	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	86		70 - 130
Triphenylphosphate	98		70 - 130

QC Sample Results

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-207013-R-1-A MS

Matrix: Water

Analysis Batch: 220114

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 219571

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
2,4'-DDD	<0.098		1.97	2.18		ug/L		111	70 - 130
2,4'-DDE	<0.098		1.97	2.20		ug/L		112	70 - 130
2,4'-DDT	<0.098		1.97	2.12		ug/L		107	70 - 130
2,4-Dinitrotoluene	<0.098		1.97	2.14		ug/L		109	70 - 130
2,6-Dinitrotoluene	<0.098		1.97	2.10		ug/L		106	70 - 130
4,4'-DDD	<0.098		1.97	2.28		ug/L		116	70 - 130
4,4'-DDE	<0.098		1.97	1.90		ug/L		96	70 - 130
4,4'-DDT	<0.098		1.97	2.29		ug/L		117	70 - 130
Acenaphthene	<0.098		1.97	1.98		ug/L		100	70 - 130
Acenaphthylene	<0.098		1.97	2.05		ug/L		104	70 - 130
Acetochlor	<0.098		1.97	2.33		ug/L		118	70 - 130
Alachlor	<0.049		1.97	2.35		ug/L		119	70 - 130
alpha-BHC	<0.098		1.97	2.05		ug/L		104	70 - 130
alpha-Chlordane	<0.049		1.97	2.20		ug/L		112	70 - 130
Anthracene	<0.020		1.97	1.50		ug/L		76	70 - 130
Atrazine	<0.049		1.97	2.23		ug/L		113	70 - 130
Benz(a)anthracene	<0.049		1.97	1.98		ug/L		101	70 - 130
Benzo[a]pyrene	<0.020		1.97	1.91		ug/L		97	70 - 130
Benzo[b]fluoranthene	<0.020		1.97	2.16		ug/L		110	70 - 130
Benzo[g,h,i]perylene	<0.049		1.97	2.05		ug/L		104	70 - 130
Benzo[k]fluoranthene	<0.020		1.97	2.05		ug/L		104	70 - 130
beta-BHC	<0.098		1.97	2.20		ug/L		112	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.97	2.04		ug/L		104	70 - 130
Aldrin	<0.0098		1.97	2.02		ug/L		103	70 - 130
Bromacil	<0.098		1.97	2.19		ug/L		111	70 - 130
Butachlor	<0.049		1.97	2.44		ug/L		124	70 - 130
Butylbenzylphthalate	<0.49		1.97	2.21		ug/L		112	70 - 130
Chlorobenzilate	<0.098		1.97	2.21		ug/L		113	70 - 130
Chloroneb	<0.098		1.97	2.11		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.97	2.13		ug/L		108	70 - 130
Chlorpyrifos	<0.049		1.97	2.42		ug/L		123	70 - 130
Chrysene	<0.020		1.97	2.31		ug/L		118	70 - 130
delta-BHC	<0.098		1.97	2.06		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.97	2.12		ug/L		108	70 - 130
Dibenz(a,h)anthracene	<0.049		1.97	1.92		ug/L		97	70 - 130
Diclorvos (DDVP)	<0.049		1.97	2.20		ug/L		112	70 - 130
Dieldrin	<0.0098		1.97	2.26		ug/L		115	70 - 130
Diethylphthalate	<0.49		1.97	2.29		ug/L		116	70 - 130
Dimethylphthalate	<0.49		1.97	2.16		ug/L		110	70 - 130
Di-n-butyl phthalate	<0.98		3.94	4.42		ug/L		106	70 - 130
Di-n-octyl phthalate	<0.098		1.97	2.05		ug/L		104	70 - 130
Endosulfan I (Alpha)	<0.098		1.97	2.18		ug/L		111	70 - 130
Endosulfan II (Beta)	<0.098		1.97	2.21		ug/L		112	70 - 130
Endosulfan sulfate	<0.098		1.97	2.04		ug/L		103	70 - 130
Endrin	<0.0098		1.97	2.42		ug/L		123	70 - 130
Endrin aldehyde	<0.098		1.97	1.97		ug/L		100	60 - 130
EPTC	<0.098		1.97	2.24		ug/L		114	70 - 130
Fluoranthene	<0.098		1.97	2.27		ug/L		115	70 - 130

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-207013-R-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220114

Prep Batch: 219571

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Fluorene	<0.049		1.97	2.11		ug/L		107	70 - 130	
gamma-BHC (Lindane)	<0.0098		1.97	2.31		ug/L		117	70 - 130	
gamma-Chlordane	<0.049		1.97	2.32		ug/L		118	70 - 130	
Heptachlor	<0.0098		1.97	2.06		ug/L		105	70 - 130	
Heptachlor epoxide (isomer B)	<0.0098		1.97	2.18		ug/L		111	70 - 130	
Hexachlorobenzene	<0.049		1.97	1.95		ug/L		99	70 - 130	
Hexachlorocyclopentadiene	<0.049		1.97	1.88		ug/L		95	70 - 130	
Indeno[1,2,3-cd]pyrene	<0.049		1.97	2.04		ug/L		103	70 - 130	
Isophorone	<0.098		1.97	2.17		ug/L		110	70 - 130	
Malathion	<0.098		1.97	2.18		ug/L		111	70 - 130	
Methoxychlor	<0.049		1.97	2.33		ug/L		119	70 - 130	
Metolachlor	<0.049		1.97	2.41		ug/L		122	70 - 130	
Molinate	<0.098		1.97	2.29		ug/L		116	70 - 130	
Naphthalene	<0.098		1.97	2.11		ug/L		107	70 - 130	
Parathion	<0.098		1.97	2.35		ug/L		119	70 - 130	
Pendimethalin (Penoxaline)	<0.098		1.97	2.14		ug/L		109	70 - 130	
Phenanthrene	<0.039		1.97	2.05		ug/L		104	70 - 130	
Propachlor	<0.049		1.97	2.39		ug/L		121	70 - 130	
Pyrene	<0.049		1.97	2.34		ug/L		119	70 - 130	
Simazine	<0.049		1.97	2.19		ug/L		111	70 - 130	
Terbacil	<0.098		1.97	2.15		ug/L		109	70 - 130	
Terbutylazine	<0.098		1.97	2.20		ug/L		112	70 - 130	
Thiobencarb	<0.098		1.97	2.33		ug/L		118	70 - 130	
trans-Nonachlor	<0.049		1.97	2.20		ug/L		112	70 - 130	
Trifluralin	<0.098		1.97	1.93		ug/L		98	70 - 130	
1-Methylnaphthalene	<0.098		1.97	1.95		ug/L		98	70 - 130	
2-Methylnaphthalene	<0.098		1.97	2.02		ug/L		102	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	100		70 - 130

Lab Sample ID: 380-207013-S-1-A MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220114

Prep Batch: 219571

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
2,4'-DDD	<0.098		1.97	2.19		ug/L		111	70 - 130	0	20	
2,4'-DDE	<0.098		1.97	2.19		ug/L		111	70 - 130	1	20	
2,4'-DDT	<0.098		1.97	2.13		ug/L		108	70 - 130	1	20	
2,4-Dinitrotoluene	<0.098		1.97	2.22		ug/L		112	70 - 130	4	20	
2,6-Dinitrotoluene	<0.098		1.97	2.18		ug/L		110	70 - 130	4	20	
4,4'-DDD	<0.098		1.97	2.27		ug/L		115	70 - 130	0	20	
4,4'-DDE	<0.098		1.97	1.91		ug/L		97	70 - 130	1	20	
4,4'-DDT	<0.098		1.97	2.32		ug/L		117	70 - 130	1	20	
Acenaphthene	<0.098		1.97	1.99		ug/L		101	70 - 130	1	20	
Acenaphthylene	<0.098		1.97	2.11		ug/L		107	70 - 130	3	20	

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-207013-S-1-A MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220114

Prep Batch: 219571

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acetochlor	<0.098		1.97	2.29		ug/L		116	70 - 130	1	20
Alachlor	<0.049		1.97	2.36		ug/L		120	70 - 130	1	20
alpha-BHC	<0.098		1.97	2.08		ug/L		106	70 - 130	2	20
alpha-Chlordane	<0.049		1.97	2.23		ug/L		113	70 - 130	1	20
Anthracene	<0.020		1.97	1.38		ug/L		70	70 - 130	8	20
Atrazine	<0.049		1.97	2.27		ug/L		115	70 - 130	2	20
Benz(a)anthracene	<0.049		1.97	1.97		ug/L		100	70 - 130	1	20
Benzo[a]pyrene	<0.020		1.97	1.86		ug/L		94	70 - 130	2	20
Benzo[b]fluoranthene	<0.020		1.97	2.13		ug/L		108	70 - 130	1	20
Benzo[g,h,i]perylene	<0.049		1.97	2.03		ug/L		103	70 - 130	1	20
Benzo[k]fluoranthene	<0.020		1.97	2.13		ug/L		108	70 - 130	4	20
beta-BHC	<0.098		1.97	2.23		ug/L		113	70 - 130	1	20
Bis(2-ethylhexyl) phthalate	<0.59		1.97	1.99		ug/L		101	70 - 130	3	20
Aldrin	<0.0098		1.97	2.09		ug/L		106	70 - 130	4	20
Bromacil	<0.098		1.97	2.22		ug/L		113	70 - 130	1	20
Butachlor	<0.049		1.97	2.43		ug/L		123	70 - 130	1	20
Butylbenzylphthalate	<0.49		1.97	2.22		ug/L		112	70 - 130	0	20
Chlorobenzilate	<0.098		1.97	2.21		ug/L		112	70 - 130	0	20
Chloroneb	<0.098		1.97	2.14		ug/L		109	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	<0.098		1.97	2.14		ug/L		109	70 - 130	1	20
Chlorpyrifos	<0.049		1.97	2.43		ug/L		123	70 - 130	1	20
Chrysene	<0.020		1.97	2.27		ug/L		115	70 - 130	2	20
delta-BHC	<0.098		1.97	2.06		ug/L		104	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.59		1.97	2.10		ug/L		106	70 - 130	1	20
Dibenz(a,h)anthracene	<0.049		1.97	1.99		ug/L		101	70 - 130	4	20
Diclorvos (DDVP)	<0.049		1.97	2.20		ug/L		111	70 - 130	0	20
Dieldrin	<0.0098		1.97	2.26		ug/L		115	70 - 130	0	20
Diethylphthalate	<0.49		1.97	2.33		ug/L		118	70 - 130	2	20
Dimethylphthalate	<0.49		1.97	2.21		ug/L		112	70 - 130	2	20
Di-n-butyl phthalate	<0.98		3.95	4.49		ug/L		108	70 - 130	2	20
Di-n-octyl phthalate	<0.098		1.97	1.96		ug/L		99	70 - 130	4	20
Endosulfan I (Alpha)	<0.098		1.97	2.20		ug/L		112	70 - 130	1	20
Endosulfan II (Beta)	<0.098		1.97	2.15		ug/L		109	70 - 130	3	20
Endosulfan sulfate	<0.098		1.97	2.04		ug/L		103	70 - 130	0	20
Endrin	<0.0098		1.97	2.46		ug/L		125	70 - 130	2	20
Endrin aldehyde	<0.098		1.97	2.01		ug/L		102	60 - 130	2	20
EPTC	<0.098		1.97	2.25		ug/L		114	70 - 130	1	20
Fluoranthene	<0.098		1.97	2.32		ug/L		117	70 - 130	2	20
Fluorene	<0.049		1.97	2.14		ug/L		108	70 - 130	1	20
gamma-BHC (Lindane)	<0.0098		1.97	2.37		ug/L		120	70 - 130	3	20
gamma-Chlordane	<0.049		1.97	2.34		ug/L		118	70 - 130	1	20
Heptachlor	<0.0098		1.97	2.09		ug/L		106	70 - 130	1	20
Heptachlor epoxide (isomer B)	<0.0098		1.97	2.24		ug/L		113	70 - 130	3	20
Hexachlorobenzene	<0.049		1.97	2.00		ug/L		102	70 - 130	3	20
Hexachlorocyclopentadiene	<0.049		1.97	1.88		ug/L		95	70 - 130	0	20
Indeno[1,2,3-cd]pyrene	<0.049		1.97	2.03		ug/L		103	70 - 130	0	20
Isophorone	<0.098		1.97	2.16		ug/L		109	70 - 130	1	20
Malathion	<0.098		1.97	2.20		ug/L		112	70 - 130	1	20
Methoxychlor	<0.049		1.97	2.40		ug/L		122	70 - 130	3	20

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-207013-S-1-A MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 220114

Prep Batch: 219571

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Metolachlor	<0.049		1.97	2.41		ug/L		122	70 - 130	0	20
Molinate	<0.098		1.97	2.31		ug/L		117	70 - 130	1	20
Naphthalene	<0.098		1.97	2.10		ug/L		106	70 - 130	1	20
Parathion	<0.098		1.97	2.37		ug/L		120	70 - 130	1	20
Pendimethalin (Penoxaline)	<0.098		1.97	2.18		ug/L		110	70 - 130	2	20
Phenanthrene	<0.039		1.97	2.05		ug/L		104	70 - 130	0	20
Propachlor	<0.049		1.97	2.42		ug/L		123	70 - 130	1	20
Pyrene	<0.049		1.97	2.37		ug/L		120	70 - 130	1	20
Simazine	<0.049		1.97	2.23		ug/L		113	70 - 130	2	20
Terbacil	<0.098		1.97	2.21		ug/L		112	70 - 130	3	20
Terbutylazine	<0.098		1.97	2.28		ug/L		115	70 - 130	3	20
Thiobencarb	<0.098		1.97	2.32		ug/L		117	70 - 130	0	20
trans-Nonachlor	<0.049		1.97	2.21		ug/L		112	70 - 130	1	20
Trifluralin	<0.098		1.97	2.03		ug/L		103	70 - 130	5	20
1-Methylnaphthalene	<0.098		1.97	1.95		ug/L		98	70 - 130	0	20
2-Methylnaphthalene	<0.098		1.97	2.02		ug/L		102	70 - 130	0	20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	102		70 - 130

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

Lab Sample ID: MB 570-722458/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 725200

Prep Batch: 722458

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	04/10/26 09:15	04/16/26 07:49	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	75		33 - 139	04/10/26 09:15	04/16/26 07:49	1
2-Fluorobiphenyl (Surr)	86		33 - 126	04/10/26 09:15	04/16/26 07:49	1
2-Fluorophenol (Surr)	59		12 - 120	04/10/26 09:15	04/16/26 07:49	1
Nitrobenzene-d5 (Surr)	104		36 - 120	04/10/26 09:15	04/16/26 07:49	1
Phenol-d6 (Surr)	35		10 - 120	04/10/26 09:15	04/16/26 07:49	1
p-Terphenyl-d14 (Surr)	85		47 - 131	04/10/26 09:15	04/16/26 07:49	1

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

Lab Sample ID: MB 570-722458/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 724634

Prep Batch: 722458

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 570-722458/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 724634

Prep Batch: 722458

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
2-Chloronaphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
2-Chlorophenol	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
2-Methylnaphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
2-Methylphenol	<1.0		1.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
2-Nitroaniline	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
2-Nitrophenol	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
3/4-Methylphenol	<2.0		2.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
3-Nitroaniline	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
4-Chloroaniline	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
4-Nitroaniline	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
4-Nitrophenol	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
Acenaphthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Acenaphthylene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Aniline	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzidine	<5.0		5.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[a]anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[a]pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzoic acid	<10		10	ug/L		04/10/26 09:15	04/15/26 07:55	1
Benzyl alcohol	<1.0		1.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Chrysene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Dibenzofuran	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Fluoranthene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Fluorene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Hexachloroethane	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Naphthalene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Nitrobenzene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Pentachlorophenol	<1.0		1.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
Phenanthrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1
Phenol	<1.0		1.0	ug/L		04/10/26 09:15	04/15/26 07:55	1
Pyrene	<0.20		0.20	ug/L		04/10/26 09:15	04/15/26 07:55	1

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	86		28 - 127	04/10/26 09:15	04/15/26 07:55	1
2-Fluorobiphenyl (Surr)	78		31 - 120	04/10/26 09:15	04/15/26 07:55	1
2-Fluorophenol (Surr)	55		17 - 120	04/10/26 09:15	04/15/26 07:55	1
Nitrobenzene-d5 (Surr)	89		27 - 120	04/10/26 09:15	04/15/26 07:55	1
Phenol-d6 (Surr)	33		10 - 120	04/10/26 09:15	04/15/26 07:55	1
p-Terphenyl-d14 (Surr)	77		45 - 120	04/10/26 09:15	04/15/26 07:55	1

Lab Sample ID: LCS 570-722458/2-A

Matrix: Water

Analysis Batch: 724634

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 722458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
1-Methylnaphthalene	20.0	14.2		ug/L		71	47 - 120
2,4,5-Trichlorophenol	20.0	17.7		ug/L		89	57 - 120
2,4,6-Trichlorophenol	20.0	16.5		ug/L		82	52 - 129
2,4-Dichlorophenol	20.0	14.9		ug/L		74	53 - 122
2,4-Dinitrophenol	20.0	18.1		ug/L		91	1 - 173
2,6-Dichlorophenol	20.0	14.8		ug/L		74	50 - 120
2-Chloronaphthalene	20.0	16.1		ug/L		80	65 - 120
2-Chlorophenol	20.0	17.9		ug/L		89	36 - 120
2-Methylnaphthalene	20.0	13.7		ug/L		69	43 - 120
2-Methylphenol	20.0	17.3		ug/L		86	46 - 120
2-Nitroaniline	20.0	18.6		ug/L		93	51 - 125
2-Nitrophenol	20.0	15.1		ug/L		76	45 - 167
3/4-Methylphenol	40.0	29.3		ug/L		73	29 - 120
3-Nitroaniline	20.0	16.0		ug/L		80	62 - 129
4,6-Dinitro-2-methylphenol	20.0	17.6		ug/L		88	53 - 130
4-Bromophenyl phenyl ether	20.0	14.9		ug/L		75	65 - 120
4-Chloro-3-methylphenol	20.0	15.0		ug/L		75	41 - 128
4-Chloroaniline	20.0	8.74	*-	ug/L		44	51 - 120
4-Chlorophenyl phenyl ether	20.0	16.1		ug/L		80	38 - 145
4-Nitroaniline	20.0	17.4		ug/L		87	64 - 129
4-Nitrophenol	20.0	7.87		ug/L		39	13 - 129
Acenaphthene	20.0	15.9		ug/L		80	60 - 132
Acenaphthylene	20.0	16.1		ug/L		80	54 - 126
Aniline	20.0	2.85	*-	ug/L		14	52 - 121
Anthracene	20.0	16.0		ug/L		80	43 - 120
Benzidine	20.0	2.67	J *-	ug/L		13	20 - 164
Benzo[a]anthracene	20.0	16.8		ug/L		84	42 - 133
Benzo[a]pyrene	20.0	17.6		ug/L		88	32 - 148
Benzo[b]fluoranthene	20.0	17.4		ug/L		87	42 - 140
Benzo[g,h,i]perylene	20.0	16.2		ug/L		81	1 - 195
Benzo[k]fluoranthene	20.0	16.6		ug/L		83	25 - 146
Benzoic acid	20.0	9.38	J	ug/L		47	20 - 120
Benzyl alcohol	20.0	14.4		ug/L		72	44 - 122
Bis(2-chloroethoxy)methane	20.0	14.7		ug/L		73	49 - 165
Bis(2-chloroethyl)ether	20.0	16.0		ug/L		80	43 - 126
bis (2-Chloroisopropyl) ether	20.0	17.2		ug/L		86	63 - 139
Chrysene	20.0	15.7		ug/L		79	44 - 140
Dibenz(a,h)anthracene	20.0	17.1		ug/L		86	1 - 200
Dibenzofuran	20.0	16.7		ug/L		83	48 - 120

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 570-722458/2-A

Matrix: Water

Analysis Batch: 724634

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 722458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Fluoranthene	20.0	16.9		ug/L		85	43 - 121	
Fluorene	20.0	16.2		ug/L		81	70 - 120	
Hexachloroethane	20.0	13.6		ug/L		68	55 - 120	
Indeno[1,2,3-cd]pyrene	20.0	16.9		ug/L		84	1 - 151	
Naphthalene	20.0	13.3		ug/L		66	36 - 120	
Nitrobenzene	20.0	15.7		ug/L		78	54 - 158	
N-Nitrosodi-n-propylamine	20.0	16.7		ug/L		84	14 - 198	
N-Nitrosodiphenylamine	20.0	19.3		ug/L		97	65 - 133	
Pentachlorophenol	20.0	17.0		ug/L		85	38 - 152	
Phenanthrene	20.0	16.0		ug/L		80	65 - 120	
Phenol	20.0	8.72		ug/L		44	17 - 120	
Pyrene	20.0	16.6		ug/L		83	70 - 120	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	80		28 - 127
2-Fluorobiphenyl (Surr)	79		31 - 120
2-Fluorophenol (Surr)	62		17 - 120
Nitrobenzene-d5 (Surr)	75		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

Lab Sample ID: LCSD 570-722458/3-A

Matrix: Water

Analysis Batch: 724634

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 722458

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits		RPD	Limit
1-Methylnaphthalene	20.0	15.6		ug/L		78	47 - 120	9	20	
2,4,5-Trichlorophenol	20.0	20.2		ug/L		101	57 - 120	13	20	
2,4,6-Trichlorophenol	20.0	18.6		ug/L		93	52 - 129	12	35	
2,4-Dichlorophenol	20.0	16.5		ug/L		83	53 - 122	11	30	
2,4-Dinitrophenol	20.0	21.4		ug/L		107	1 - 173	16	79	
2,6-Dichlorophenol	20.0	16.2		ug/L		81	50 - 120	9	20	
2-Chloronaphthalene	20.0	18.4		ug/L		92	65 - 120	13	15	
2-Chlorophenol	20.0	19.7		ug/L		99	36 - 120	10	37	
2-Methylnaphthalene	20.0	14.9		ug/L		75	43 - 120	8	20	
2-Methylphenol	20.0	19.2		ug/L		96	46 - 120	11	20	
2-Nitroaniline	20.0	21.2		ug/L		106	51 - 125	13	20	
2-Nitrophenol	20.0	16.9		ug/L		85	45 - 167	11	33	
3/4-Methylphenol	40.0	33.0		ug/L		82	29 - 120	12	20	
3-Nitroaniline	20.0	19.2		ug/L		96	62 - 129	18	20	
4,6-Dinitro-2-methylphenol	20.0	20.0		ug/L		100	53 - 130	13	122	
4-Bromophenyl phenyl ether	20.0	16.8		ug/L		84	65 - 120	12	26	
4-Chloro-3-methylphenol	20.0	16.6		ug/L		83	41 - 128	11	44	
4-Chloroaniline	20.0	14.9	*1	ug/L		74	51 - 120	52	20	
4-Chlorophenyl phenyl ether	20.0	17.9		ug/L		90	38 - 145	11	36	
4-Nitroaniline	20.0	19.6		ug/L		98	64 - 129	12	20	
4-Nitrophenol	20.0	8.94		ug/L		45	13 - 129	13	79	
Acenaphthene	20.0	17.8		ug/L		89	60 - 132	11	29	

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCSD 570-722458/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 724634

Prep Batch: 722458

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
Acenaphthylene	20.0	18.0		ug/L		90	54 - 126	11	45
Aniline	20.0	9.54	*- *1	ug/L		48	52 - 121	108	21
Anthracene	20.0	18.0		ug/L		90	43 - 120	12	40
Benzidine	20.0	2.92	J *	ug/L		15	20 - 164	9	30
Benzo[a]anthracene	20.0	19.0		ug/L		95	42 - 133	12	32
Benzo[a]pyrene	20.0	19.8		ug/L		99	32 - 148	12	43
Benzo[b]fluoranthene	20.0	19.3		ug/L		96	42 - 140	10	43
Benzo[g,h,i]perylene	20.0	18.1		ug/L		91	1 - 195	11	61
Benzo[k]fluoranthene	20.0	18.7		ug/L		94	25 - 146	12	38
Benzoic acid	20.0	10.5		ug/L		52	20 - 120	11	30
Benzyl alcohol	20.0	16.7		ug/L		84	44 - 122	15	20
Bis(2-chloroethoxy)methane	20.0	16.4		ug/L		82	49 - 165	11	32
Bis(2-chloroethyl)ether	20.0	16.9		ug/L		84	43 - 126	5	65
bis (2-Chloroisopropyl) ether	20.0	18.9		ug/L		94	63 - 139	9	46
Chrysene	20.0	17.6		ug/L		88	44 - 140	11	53
Dibenz(a,h)anthracene	20.0	19.2		ug/L		96	1 - 200	11	75
Dibenzofuran	20.0	18.9		ug/L		95	48 - 120	13	20
Fluoranthene	20.0	18.6		ug/L		93	43 - 121	9	40
Fluorene	20.0	18.2		ug/L		91	70 - 120	12	23
Hexachloroethane	20.0	15.2		ug/L		76	55 - 120	11	32
Indeno[1,2,3-cd]pyrene	20.0	18.8		ug/L		94	1 - 151	11	60
Naphthalene	20.0	14.6		ug/L		73	36 - 120	9	39
Nitrobenzene	20.0	17.1		ug/L		85	54 - 158	9	37
N-Nitrosodi-n-propylamine	20.0	18.7		ug/L		93	14 - 198	11	52
N-Nitrosodiphenylamine	20.0	22.2		ug/L		111	65 - 133	14	20
Pentachlorophenol	20.0	19.4		ug/L		97	38 - 152	13	52
Phenanthrene	20.0	17.8		ug/L		89	65 - 120	10	24
Phenol	20.0	9.94		ug/L		50	17 - 120	13	39
Pyrene	20.0	18.7		ug/L		94	70 - 120	12	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	89		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	69		17 - 120
Nitrobenzene-d5 (Surr)	81		27 - 120
Phenol-d6 (Surr)	46		10 - 120
p-Terphenyl-d14 (Surr)	92		45 - 120

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

Lab Sample ID: MB 570-726079/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 726079

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			04/17/26 15:48	1

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 570-726079/6

Matrix: Water

Analysis Batch: 726079

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	103		38 - 134		04/17/26 15:48	1

Lab Sample ID: LCS 570-726079/3

Matrix: Water

Analysis Batch: 726079

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	421		ug/L		105		78 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		38 - 134

Lab Sample ID: LCSD 570-726079/4

Matrix: Water

Analysis Batch: 726079

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	394		ug/L		98		78 - 120	7	10

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		38 - 134

Lab Sample ID: MRL 570-726079/5

Matrix: Water

Analysis Batch: 726079

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	11.8		ug/L		118		50 - 150

Surrogate	MRL	MRL	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		38 - 134

Lab Sample ID: 570-275047-D-4 MS

Matrix: Water

Analysis Batch: 726079

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (C4-C13)	<10		400	419		ug/L		105		68 - 122

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		38 - 134

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 570-275047-E-4 MSD
Matrix: Water
Analysis Batch: 726079

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	419		ug/L		105	68 - 122	0	18
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	107		38 - 134								

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

Lab Sample ID: MBL 380-218851/4-A
Matrix: Water
Analysis Batch: 219081

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 218851

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		04/09/26 15:42	04/10/26 05:26	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		04/09/26 15:42	04/10/26 05:26	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		04/09/26 15:42	04/10/26 05:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	111		60 - 140			04/09/26 15:42	04/10/26 05:26	1

Lab Sample ID: LCS 380-218851/29-A
Matrix: Water
Analysis Batch: 219081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.200	0.229		ug/L		114	70 - 130
1,2-Dibromo-3-Chloropropane	0.200	0.226		ug/L		113	70 - 130
1,2-Dibromoethane	0.200	0.233		ug/L		117	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1,2-Dibromopropane (Surr)	119		60 - 140				

Lab Sample ID: MRL 380-218851/2-A
Matrix: Water
Analysis Batch: 219081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218851

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0200	0.0176	J	ug/L		88	60 - 140
Surrogate	%Recovery	Qualifier	Limits				
1,2-Dibromopropane (Surr)	115		60 - 140				

Lab Sample ID: MRL 380-218851/3-A
Matrix: Water
Analysis Batch: 219081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218851

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0500	0.0558		ug/L		112	60 - 140

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-218851/3-A
Matrix: Water
Analysis Batch: 219081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218851

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits	
1,2-Dibromo-3-Chloropropane	0.0100	0.0116		ug/L		116	60 - 140	
1,2-Dibromoethane	0.0100	0.00869	J	ug/L		87	60 - 140	
		MRL	MRL					
Surrogate	%Recovery	Qualifier	Limits					
1,2-Dibromopropane (Surr)	114		60 - 140					

Lab Sample ID: 380-207170-BJ-1-A MS
Matrix: Water
Analysis Batch: 219081

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 218851

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
1,2,3-Trichloropropane	<0.020		1.25	1.42		ug/L		113	65 - 135	
1,2-Dibromo-3-Chloropropane	<0.010		0.250	0.298		ug/L		119	65 - 135	
1,2-Dibromoethane	<0.010		0.250	0.290		ug/L		116	65 - 135	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dibromopropane (Surr)	114		60 - 140							

Lab Sample ID: 380-207166-AC-1-A DU
Matrix: Water
Analysis Batch: 219081

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 218851

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit	
1,2,3-Trichloropropane	<0.020		<0.020		ug/L		NC	20	
1,2-Dibromo-3-Chloropropane	<0.0099		<0.010		ug/L		NC	20	
1,2-Dibromoethane	<0.0099		<0.010		ug/L		NC	20	
		DU	DU						
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dibromopropane (Surr)	113		60 - 140						

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-218890/3-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 218890

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Chlordane (n.o.s.)	<0.10		0.10	ug/L		04/09/26 15:34	04/09/26 17:40	1	
PCB-1016	<0.070		0.070	ug/L		04/09/26 15:34	04/09/26 17:40	1	
PCB-1221	<0.10		0.10	ug/L		04/09/26 15:34	04/09/26 17:40	1	
PCB-1232	<0.10		0.10	ug/L		04/09/26 15:34	04/09/26 17:40	1	
PCB-1242	<0.10		0.10	ug/L		04/09/26 15:34	04/09/26 17:40	1	
PCB-1248	<0.10		0.10	ug/L		04/09/26 15:34	04/09/26 17:40	1	
PCB-1254	<0.10		0.10	ug/L		04/09/26 15:34	04/09/26 17:40	1	
PCB-1260	<0.070		0.070	ug/L		04/09/26 15:34	04/09/26 17:40	1	
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		04/09/26 15:34	04/09/26 17:40	1	

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 380-218890/3-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 218890

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108	Qualifier	70 - 130	04/09/26 15:34	04/09/26 17:40	1

Lab Sample ID: LCS 380-218890/28-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	2.50	2.66	Qualifier	ug/L	-	107	70 - 130

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

Lab Sample ID: LCS 380-218890/29-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	0.500	0.479	Qualifier	ug/L	-	96	70 - 130

Surrogate	LCS	LCS	Limits
Tetrachloro-m-xylene	97	Qualifier	70 - 130

Lab Sample ID: LCS 380-218890/31-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1248	0.500	0.547	Qualifier	ug/L	-	109	70 - 130

Surrogate	LCS	LCS	Limits
Tetrachloro-m-xylene	100	Qualifier	70 - 130

Lab Sample ID: LCSD 380-218890/30-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlordane (n.o.s.)	0.500	0.506	Qualifier	ug/L	-	101	70 - 130	5	20

Surrogate	LCSD	LCSD	Limits
Tetrachloro-m-xylene	107	Qualifier	70 - 130

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-218890/1-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	0.500	0.451	J	ug/L		90	50 - 150
Surrogate	%Recovery	MRL	Qualifier	Limits			
Tetrachloro-m-xylene	93			70 - 130			

Lab Sample ID: MRL 380-218890/2-A
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	0.100	0.104		ug/L		104	50 - 150
Surrogate	%Recovery	MRL	Qualifier	Limits			
Tetrachloro-m-xylene	97			70 - 130			

Lab Sample ID: 380-207166-AD-1-A MS
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.49	2.52		ug/L		101	65 - 135
Surrogate	%Recovery	MS	MS	Limits					
Tetrachloro-m-xylene	94			70 - 130					

Lab Sample ID: 380-207166-AF-1-A MS
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.492	0.488		ug/L		99	65 - 135
Surrogate	%Recovery	MS	MS	Limits					
Tetrachloro-m-xylene	103			70 - 130					

Lab Sample ID: 380-207168-AP-1-A MS
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.47	2.49		ug/L		101	65 - 135
Surrogate	%Recovery	MS	MS	Limits					
Tetrachloro-m-xylene	99			70 - 130					

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-207168-AR-1-A MS
Matrix: Water
Analysis Batch: 219078

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 218890

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.496	0.482		ug/L		97	65 - 135
Surrogate	%Recovery	MS Qualifier	MS Limits						
Tetrachloro-m-xylene	95		70 - 130						

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

Lab Sample ID: MB 570-722504/1-A
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722504

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		04/10/26 09:56	04/10/26 22:15	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		04/10/26 09:56	04/10/26 22:15	1
C8-C18	<25		25	ug/L		04/10/26 09:56	04/10/26 22:15	1
Surrogate	%Recovery	MB Qualifier	MB Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	92		60 - 130			04/10/26 09:56	04/10/26 22:15	1

Lab Sample ID: LCS 570-722504/2-A
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1530		ug/L		95	56 - 127
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
n-Octacosane (Surr)	104		60 - 130				

Lab Sample ID: LCSD 570-722504/3-A
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 722504

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1490		ug/L		93	56 - 127	2	23
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
n-Octacosane (Surr)	98		60 - 130						

Lab Sample ID: MRL 570-722504/4-A
Matrix: Water
Analysis Batch: 723209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722504

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0253		mg/L		127	50 - 150

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 570-722504/4-A
Matrix: Water
Analysis Batch: 723209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722504

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	96		60 - 130

Lab Sample ID: 380-206949-B-1-A MS
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 722504

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
C10-C28	<26		1700	1640		ug/L		97		70 - 130	
Surrogate	%Recovery	Qualifier	Limits								
<i>n-Octacosane (Surr)</i>	101		60 - 130								

Lab Sample ID: 380-206949-B-1-B MSD
Matrix: Water
Analysis Batch: 722774

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 722504

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
C10-C28	<26		1670	1690		ug/L		101		70 - 130	3		20
Surrogate	%Recovery	Qualifier	Limits										
<i>n-Octacosane (Surr)</i>	106		60 - 130										

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

Lab Sample ID: MB 570-723893/3
Matrix: Water
Analysis Batch: 723893

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethanol	<0.10		0.10	mg/L			04/14/26 05:39	1
Surrogate	%Recovery	Qualifier	Limits					
<i>Hexafluoro-2-propanol (Surr)</i>	98	p	52 - 149	Prepared	Analyzed	Dil Fac		
				04/14/26 05:39	1			

Lab Sample ID: LCS 570-723893/4
Matrix: Water
Analysis Batch: 723893

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Ethanol	2.00	1.93		mg/L		97		59 - 153
Surrogate	%Recovery	Qualifier	Limits					
<i>Hexafluoro-2-propanol (Surr)</i>	99		52 - 149					

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCSD 570-723893/5
Matrix: Water
Analysis Batch: 723893

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethanol	2.00	2.17		mg/L		108	59 - 153	11	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	101	p	52 - 149						

Lab Sample ID: MRL 570-723893/6
Matrix: Water
Analysis Batch: 723893

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	0.0859	J	mg/L		86	50 - 150		
Surrogate	%Recovery	MRL Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	97		52 - 149						

Lab Sample ID: 380-207013-AB-1 MS
Matrix: Water
Analysis Batch: 723893

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	F1	2000	2.19	F1	mg/L		0.1	61 - 150		
Surrogate	%Recovery	MS Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	97	p	52 - 149								

Lab Sample ID: 380-207013-AB-1 MSD
Matrix: Water
Analysis Batch: 723893

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	F1	2000	2.33	F1	mg/L		0.1	61 - 150	6	36
Surrogate	%Recovery	MSD Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	97	p	52 - 149								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-218600/38
Matrix: Water
Analysis Batch: 218600

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			04/08/26 16:22	1
Nitrite as N	<0.050		0.050	mg/L			04/08/26 16:22	1

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 380-218600/40
Matrix: Water
Analysis Batch: 218600

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

Lab Sample ID: LCSD 380-218600/41
Matrix: Water
Analysis Batch: 218600

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Nitrate as N	2.50	2.57		mg/L		103	90 - 110	0	20	
Nitrite as N	1.00	1.03		mg/L		103	90 - 110	0	20	

Lab Sample ID: MRL 380-218600/39
Matrix: Water
Analysis Batch: 218600

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	0.0481	J	mg/L		96	50 - 150	
Nitrite as N	0.0500	0.0491	J	mg/L		98	50 - 150	

Lab Sample ID: 380-207013-T-1 MS
Matrix: Water
Analysis Batch: 218600

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Nitrate as N	0.55		6.25	7.11		mg/L		105	80 - 120	
Nitrite as N	<0.25		2.50	2.57		mg/L		103	80 - 120	

Lab Sample ID: 380-207013-T-1 MSD
Matrix: Water
Analysis Batch: 218600

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
Nitrate as N	0.55		6.25	7.12		mg/L		105	80 - 120	0	20	
Nitrite as N	<0.25		2.50	2.57		mg/L		103	80 - 120	0	20	

Lab Sample ID: MB 380-218601/38
Matrix: Water
Analysis Batch: 218601

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			04/08/26 16:22		1
Sulfate	<0.25		0.25	mg/L			04/08/26 16:22		1

Lab Sample ID: LCS 380-218601/40
Matrix: Water
Analysis Batch: 218601

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	26.2		mg/L		105	90 - 110	
Sulfate	50.0	51.7		mg/L		103	90 - 110	

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QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 380-218601/41
Matrix: Water
Analysis Batch: 218601

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Chloride	25.0	26.2		mg/L		105	90 - 110	0	20	
Sulfate	50.0	51.8		mg/L		104	90 - 110	0	20	

Lab Sample ID: MRL 380-218601/39
Matrix: Water
Analysis Batch: 218601

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Chloride	0.500	0.459	J	mg/L		92	50 - 150	
Sulfate	0.250	0.259		mg/L		104	50 - 150	

Lab Sample ID: 380-207013-T-1 MS
Matrix: Water
Analysis Batch: 218601

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Chloride	89		62.5	156		mg/L		107	80 - 120	
Sulfate	13		125	146		mg/L		107	80 - 120	

Lab Sample ID: 380-207013-T-1 MSD
Matrix: Water
Analysis Batch: 218601

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		RPD	Limit
									Limits	RPD		
Chloride	89		62.5	156		mg/L		107	80 - 120	0	20	
Sulfate	13		125	146		mg/L		106	80 - 120	0	20	

Lab Sample ID: MB 380-218974/6
Matrix: Water
Analysis Batch: 218974

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: LCS 380-218974/7
Matrix: Water
Analysis Batch: 218974

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Bromide	100	98.3		ug/L		98	90 - 110	

Lab Sample ID: LCSD 380-218974/8
Matrix: Water
Analysis Batch: 218974

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Bromide	100	98.6		ug/L		99	90 - 110	0	10	

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-218974/5
Matrix: Water
Analysis Batch: 218974

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	4.86	J	ug/L		97	75 - 125

Lab Sample ID: 380-206826-V-1 MS
Matrix: Water
Analysis Batch: 218974

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	<5.0		50.0	51.5		ug/L		103	80 - 120

Lab Sample ID: 380-206826-V-1 MSD
Matrix: Water
Analysis Batch: 218974

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	<5.0		50.0	49.0		ug/L		98	80 - 120	5	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-218923/84
Matrix: Water
Analysis Batch: 218923

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			04/09/26 14:33	1
Magnesium	<0.0099		0.10	mg/L			04/09/26 14:33	1
Potassium	<0.044		0.20	mg/L			04/09/26 14:33	1
Sodium	<0.019		0.10	mg/L			04/09/26 14:33	1

Lab Sample ID: LCS 380-218923/86
Matrix: Water
Analysis Batch: 218923

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.9		mg/L		102	85 - 115
Magnesium	20.0	20.2		mg/L		101	85 - 115
Potassium	20.0	20.1		mg/L		101	85 - 115
Sodium	50.0	50.4		mg/L		101	85 - 115

Lab Sample ID: LCSD 380-218923/87
Matrix: Water
Analysis Batch: 218923

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	50.0	50.6		mg/L		101	85 - 115	1	20
Magnesium	20.0	20.1		mg/L		100	85 - 115	1	20
Potassium	20.0	20.1		mg/L		100	85 - 115	0	20
Sodium	50.0	50.1		mg/L		100	85 - 115	1	20

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LLCS 380-218923/85
Matrix: Water
Analysis Batch: 218923

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

Analyte	Spike Added	LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Calcium	0.100	0.109		mg/L		109	50 - 150
Magnesium	0.100	0.0990	J	mg/L		99	50 - 150
Potassium	0.100	0.125	J	mg/L		125	50 - 150
Sodium	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: 380-207054-D-1 MS
Matrix: Water
Analysis Batch: 218923

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Calcium	16		50.0	62.5		mg/L		93	70 - 130
Magnesium	12		20.0	29.9		mg/L		89	70 - 130
Potassium	2.5	^2	20.0	21.7		mg/L		96	70 - 130
Sodium	22		50.0	67.3		mg/L		91	70 - 130

Lab Sample ID: 380-207054-D-1 MSD
Matrix: Water
Analysis Batch: 218923

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
Calcium	16		50.0	61.9		mg/L		92	70 - 130	1	20
Magnesium	12		20.0	29.7		mg/L		88	70 - 130	1	20
Potassium	2.5	^2	20.0	21.5		mg/L		95	70 - 130	1	20
Sodium	22		50.0	66.8		mg/L		90	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-218943/49
Matrix: Water
Analysis Batch: 218943

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

Analyte	MBL		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Antimony	<0.48		1.0	ug/L			04/09/26 14:16	1
Arsenic	<0.25		1.0	ug/L			04/09/26 14:16	1
Beryllium	<0.12		0.30	ug/L			04/09/26 14:16	1
Cadmium	<0.081		0.50	ug/L			04/09/26 14:16	1
Chromium	<0.33		0.90	ug/L			04/09/26 14:16	1
Copper	<0.28		1.0	ug/L			04/09/26 14:16	1
Lead	<0.084		0.50	ug/L			04/09/26 14:16	1
Nickel	<0.38		5.0	ug/L			04/09/26 14:16	1
Selenium	<0.25		2.0	ug/L			04/09/26 14:16	1
Silver	<0.30		0.50	ug/L			04/09/26 14:16	1
Thallium	<0.10		0.30	ug/L			04/09/26 14:16	1
Zinc	<1.3		5.0	ug/L			04/09/26 14:16	1

QC Sample Results

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 380-218943/51
Matrix: Water
Analysis Batch: 218943

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	50.9		ug/L		102	85 - 115	
Arsenic	50.0	51.4		ug/L		103	85 - 115	
Beryllium	50.0	49.6		ug/L		99	85 - 115	
Cadmium	50.0	50.4		ug/L		101	85 - 115	
Chromium	50.0	49.8		ug/L		100	85 - 115	
Copper	50.0	50.9		ug/L		102	85 - 115	
Lead	50.0	49.5		ug/L		99	85 - 115	
Nickel	50.0	49.5		ug/L		99	85 - 115	
Selenium	50.0	50.3		ug/L		101	85 - 115	
Silver	50.0	51.1		ug/L		102	85 - 115	
Thallium	50.0	49.4		ug/L		99	85 - 115	
Zinc	50.0	50.2		ug/L		100	85 - 115	

Lab Sample ID: LCSD 380-218943/52
Matrix: Water
Analysis Batch: 218943

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits		RPD	Limit
Antimony	50.0	51.0		ug/L		102	85 - 115	0	20	
Arsenic	50.0	51.2		ug/L		102	85 - 115	0	20	
Beryllium	50.0	49.4		ug/L		99	85 - 115	0	20	
Cadmium	50.0	50.2		ug/L		100	85 - 115	0	20	
Chromium	50.0	49.5		ug/L		99	85 - 115	1	20	
Copper	50.0	50.4		ug/L		101	85 - 115	1	20	
Lead	50.0	49.2		ug/L		98	85 - 115	1	20	
Nickel	50.0	49.2		ug/L		98	85 - 115	1	20	
Selenium	50.0	50.4		ug/L		101	85 - 115	0	20	
Silver	50.0	50.9		ug/L		102	85 - 115	0	20	
Thallium	50.0	49.7		ug/L		99	85 - 115	1	20	
Zinc	50.0	49.5		ug/L		99	85 - 115	1	20	

Lab Sample ID: LLCS 380-218943/50
Matrix: Water
Analysis Batch: 218943

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	1.04		ug/L		104	50 - 150	
Arsenic	1.00	1.12		ug/L		112	50 - 150	
Beryllium	0.300	0.309		ug/L		103	50 - 150	
Cadmium	0.500	0.501		ug/L		100	50 - 150	
Chromium	0.900	1.04		ug/L		116	50 - 150	
Copper	1.00	1.03		ug/L		103	50 - 150	
Lead	0.500	0.499	J	ug/L		100	50 - 150	
Nickel	1.00	1.01	J	ug/L		101	50 - 150	
Selenium	2.00	2.03		ug/L		101	50 - 150	
Silver	0.500	0.518		ug/L		104	50 - 150	
Thallium	0.300	0.301		ug/L		100	50 - 150	
Zinc	5.00	5.05		ug/L		101	50 - 150	

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206968-B-4 MS
Matrix: Water
Analysis Batch: 218943

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Antimony	<1.0		50.0	54.7		ug/L		109	70 - 130	
Arsenic	1.2		50.0	56.7		ug/L		111	70 - 130	
Beryllium	<0.30		50.0	48.8		ug/L		98	70 - 130	
Cadmium	<0.50		50.0	50.4		ug/L		101	70 - 130	
Chromium	<0.90		50.0	48.5		ug/L		97	70 - 130	
Copper	3.5		50.0	50.3		ug/L		94	70 - 130	
Lead	<0.50		50.0	46.7		ug/L		93	70 - 130	
Nickel	<5.0		50.0	46.8		ug/L		92	70 - 130	
Selenium	<2.0		50.0	60.8		ug/L		118	70 - 130	
Silver	<0.50		50.0	42.4		ug/L		85	70 - 130	
Thallium	<0.30		50.0	46.8		ug/L		94	70 - 130	
Zinc	<5.0		50.0	52.3		ug/L		102	70 - 130	

Lab Sample ID: 380-206968-B-4 MSD
Matrix: Water
Analysis Batch: 218943

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Antimony	<1.0		50.0	54.8		ug/L		110	70 - 130	0	20
Arsenic	1.2		50.0	57.1		ug/L		112	70 - 130	1	20
Beryllium	<0.30		50.0	48.8		ug/L		98	70 - 130	0	20
Cadmium	<0.50		50.0	50.7		ug/L		101	70 - 130	1	20
Chromium	<0.90		50.0	48.6		ug/L		97	70 - 130	0	20
Copper	3.5		50.0	50.6		ug/L		94	70 - 130	0	20
Lead	<0.50		50.0	46.3		ug/L		93	70 - 130	1	20
Nickel	<5.0		50.0	47.1		ug/L		93	70 - 130	1	20
Selenium	<2.0		50.0	61.2		ug/L		119	70 - 130	1	20
Silver	<0.50		50.0	40.6		ug/L		81	70 - 130	4	20
Thallium	<0.30		50.0	46.4		ug/L		93	70 - 130	1	20
Zinc	<5.0		50.0	52.8		ug/L		103	70 - 130	1	20

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-220145/1-A
Matrix: Water
Analysis Batch: 220316

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 220145

Analyte	MBL	MBL	RL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier							
Mercury	<0.079		0.20	ug/L		04/15/26 10:17	04/15/26 18:47		1

Lab Sample ID: LCS 380-220145/3-A
Matrix: Water
Analysis Batch: 220316

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 220145

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

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCSD 380-220145/4-A
Matrix: Water
Analysis Batch: 220316

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 220145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	1.00	1.04		ug/L		104	85 - 115	1	20

Lab Sample ID: LLCS 380-220145/2-A
Matrix: Water
Analysis Batch: 220316

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 220145

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	0.212		ug/L		106	50 - 150		

Lab Sample ID: 380-207916-BL-1-B MS
Matrix: Water
Analysis Batch: 220316

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 220145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		1.00	1.06		ug/L		106	70 - 130		

Lab Sample ID: 380-207916-BL-1-C MSD
Matrix: Water
Analysis Batch: 220316

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 220145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		1.00	1.10		ug/L		110	70 - 130	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-219220/1
Matrix: Water
Analysis Batch: 219220

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<2.0		2.0	mg/L			04/09/26 16:45	1
Bicarbonate Alkalinity as CaCO3	2.23		2.0	mg/L			04/09/26 16:45	1
Carbonate Alkalinity as CaCO3	<2.0		2.0	mg/L			04/09/26 16:45	1

Lab Sample ID: LCS 380-219220/3
Matrix: Water
Analysis Batch: 219220

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	100	94.4		mg/L		94	90 - 110		

Lab Sample ID: LCSD 380-219220/18
Matrix: Water
Analysis Batch: 219220

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	95.0		mg/L		95	90 - 110	1	20

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LLCS 380-219220/4
Matrix: Water
Analysis Batch: 219220

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	18.4		mg/L		92	90 - 110

Lab Sample ID: MRL 380-219220/2
Matrix: Water
Analysis Batch: 219220

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	2.00	1.60	J	mg/L		80	50 - 150

Lab Sample ID: 380-206869-F-1 MS
Matrix: Water
Analysis Batch: 219220

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	130		100	229		mg/L		95	80 - 120

Lab Sample ID: 380-206869-F-1 MSD
Matrix: Water
Analysis Batch: 219220

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	130		100	228		mg/L		94	80 - 120	0	20

Lab Sample ID: 380-206869-F-1 DU
Matrix: Water
Analysis Batch: 219220

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	130		133		mg/L		0.5	20
Bicarbonate Alkalinity as CaCO3	130		133		mg/L		0.5	20
Carbonate Alkalinity as CaCO3	<2.0		<2.0		mg/L		NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-219222/3
Matrix: Water
Analysis Batch: 219222

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			04/09/26 16:45	1

Lab Sample ID: LCS 380-219222/5
Matrix: Water
Analysis Batch: 219222

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

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCSD 380-219222/17
Matrix: Water
Analysis Batch: 219222

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	998		umhos/cm		100	90 - 110	1	10

Lab Sample ID: MRL 380-219222/4
Matrix: Water
Analysis Batch: 219222

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

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

Lab Sample ID: 380-206869-F-1 DU
Matrix: Water
Analysis Batch: 219222

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	970		966		umhos/cm		0.06	20

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

Lab Sample ID: MB 380-218881/1
Matrix: Water
Analysis Batch: 218881

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			04/09/26 13:50	1

Lab Sample ID: HLCS 380-218881/4
Matrix: Water
Analysis Batch: 218881

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	688		mg/L		98	80 - 114

Lab Sample ID: LCS 380-218881/3
Matrix: Water
Analysis Batch: 218881

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

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

Lab Sample ID: MRL 380-218881/2
Matrix: Water
Analysis Batch: 218881

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	10.0		mg/L		100	50 - 150

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-207083-B-6 DU
Matrix: Water
Analysis Batch: 218881

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	230		224		mg/L		3	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-219219/74
Matrix: Water
Analysis Batch: 219219

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			04/09/26 21:59	1

Lab Sample ID: LCS 380-219219/76
Matrix: Water
Analysis Batch: 219219

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	1.04		mg/L		104	90 - 110

Lab Sample ID: LCSD 380-219219/77
Matrix: Water
Analysis Batch: 219219

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Fluoride	1.00	1.04		mg/L		104	90 - 110	0	10

Lab Sample ID: MRL 380-219219/75
Matrix: Water
Analysis Batch: 219219

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	0.0534		mg/L		107	50 - 150

Lab Sample ID: 380-206457-B-10 MS
Matrix: Water
Analysis Batch: 219219

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	0.48		1.00	1.52		mg/L		104	80 - 120

Lab Sample ID: 380-206457-B-10 MSD
Matrix: Water
Analysis Batch: 219219

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Fluoride	0.48		1.00	1.52		mg/L		105	80 - 120	0	20

QC Sample Results

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-219224/5
Matrix: Water
Analysis Batch: 219224

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.5			SU			04/09/26 16:45	1

Lab Sample ID: LCS 380-219224/6
Matrix: Water
Analysis Batch: 219224

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	6.00	6.0		SU		100	98 - 102

Lab Sample ID: LCSD 380-219224/18
Matrix: Water
Analysis Batch: 219224

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
pH	6.00	6.0		SU		100	98 - 102	0	2

Lab Sample ID: 380-206869-F-1 DU
Matrix: Water
Analysis Batch: 219224

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.0		8.0		SU		0.5	2

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 380-219498/3
Matrix: Water
Analysis Batch: 219498

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			04/13/26 15:33	1

Lab Sample ID: LCS 380-219498/5
Matrix: Water
Analysis Batch: 219498

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	0.252		mg/L		101	90 - 110

Lab Sample ID: LCSD 380-219498/6
Matrix: Water
Analysis Batch: 219498

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	0.257		mg/L		103	90 - 110	2	20

QC Sample Results

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-219498/4
Matrix: Water
Analysis Batch: 219498

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	0.0547		mg/L		109	50 - 150

Lab Sample ID: 380-207013-J-1 MS
Matrix: Water
Analysis Batch: 219498

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	0.0729	F1	mg/L		29	80 - 120

Lab Sample ID: 380-207013-J-1 MSD
Matrix: Water
Analysis Batch: 219498

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	0.0778	F1	mg/L		31	80 - 120	7	20

QC Association Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

GC/MS VOA

Analysis Batch: 219986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 380-219986/3	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-219986/4	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 220208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	524.2	
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	524.2	
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	524.2	
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	524.2	
MB 380-220208/5	Method Blank	Total/NA	Water	524.2	
LCS 380-220208/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-220208/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Analysis Batch: 221155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 219571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	525.2	
MB 380-219571/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-219571/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-219571/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-207013-R-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-207013-S-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 220114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	525.2	219571
MB 380-219571/21-A	Method Blank	Total/NA	Water	525.2	219571
LCS 380-219571/23-A	Lab Control Sample	Total/NA	Water	525.2	219571
MRL 380-219571/22-A	Lab Control Sample	Total/NA	Water	525.2	219571
380-207013-R-1-A MS	Matrix Spike	Total/NA	Water	525.2	219571
380-207013-S-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	219571

Prep Batch: 722458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1	
MB 570-722458/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-722458/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-722458/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 724634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1 SIM	722458
MB 570-722458/1-A	Method Blank	Total/NA	Water	625.1 SIM	722458
LCS 570-722458/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	722458
LCSD 570-722458/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	722458

QC Association Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

GC/MS Semi VOA

Analysis Batch: 725200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1	722458
MB 570-722458/1-A	Method Blank	Total/NA	Water	625.1	722458

GC VOA

Analysis Batch: 726079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
MB 570-726079/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-726079/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-726079/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-726079/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-275047-D-4 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
570-275047-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 218851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	504.1	
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	504.1	
MBL 380-218851/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-218851/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-218851/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-218851/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-207170-BJ-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-207166-AC-1-A DU	Duplicate	Total/NA	Water	504.1	

Prep Batch: 218890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	505	
MB 380-218890/3-A	Method Blank	Total/NA	Water	505	
LCS 380-218890/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-218890/29-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-218890/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-218890/30-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-218890/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-218890/2-A	Lab Control Sample	Total/NA	Water	505	
380-207166-AD-1-A MS	Matrix Spike	Total/NA	Water	505	
380-207166-AF-1-A MS	Matrix Spike	Total/NA	Water	505	
380-207168-AP-1-A MS	Matrix Spike	Total/NA	Water	505	
380-207168-AR-1-A MS	Matrix Spike	Total/NA	Water	505	

Analysis Batch: 219078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	505	218890
MB 380-218890/3-A	Method Blank	Total/NA	Water	505	218890
LCS 380-218890/28-A	Lab Control Sample	Total/NA	Water	505	218890
LCS 380-218890/29-A	Lab Control Sample	Total/NA	Water	505	218890
LCS 380-218890/31-A	Lab Control Sample	Total/NA	Water	505	218890
LCSD 380-218890/30-A	Lab Control Sample Dup	Total/NA	Water	505	218890

Eurofins Pomona

QC Association Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

GC Semi VOA (Continued)

Analysis Batch: 219078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 380-218890/1-A	Lab Control Sample	Total/NA	Water	505	218890
MRL 380-218890/2-A	Lab Control Sample	Total/NA	Water	505	218890
380-207166-AD-1-A MS	Matrix Spike	Total/NA	Water	505	218890
380-207166-AF-1-A MS	Matrix Spike	Total/NA	Water	505	218890
380-207168-AP-1-A MS	Matrix Spike	Total/NA	Water	505	218890
380-207168-AR-1-A MS	Matrix Spike	Total/NA	Water	505	218890

Analysis Batch: 219081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	504.1	218851
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	504.1	218851
MBL 380-218851/4-A	Method Blank	Total/NA	Water	504.1	218851
LCS 380-218851/29-A	Lab Control Sample	Total/NA	Water	504.1	218851
MRL 380-218851/2-A	Lab Control Sample	Total/NA	Water	504.1	218851
MRL 380-218851/3-A	Lab Control Sample	Total/NA	Water	504.1	218851
380-207170-BJ-1-A MS	Matrix Spike	Total/NA	Water	504.1	218851
380-207166-AC-1-A DU	Duplicate	Total/NA	Water	504.1	218851

Prep Batch: 722504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	3510C	
MB 570-722504/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-722504/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-722504/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-722504/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-206949-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-206949-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 722774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-722504/1-A	Method Blank	Total/NA	Water	8015B	722504
LCS 570-722504/2-A	Lab Control Sample	Total/NA	Water	8015B	722504
LCSD 570-722504/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	722504
380-206949-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	722504
380-206949-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	722504

Analysis Batch: 723209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B	722504
MRL 570-722504/4-A	Lab Control Sample	Total/NA	Water	8015B	722504

Analysis Batch: 723893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B	
MB 570-723893/3	Method Blank	Total/NA	Water	8015B	
LCS 570-723893/4	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-723893/5	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-723893/6	Lab Control Sample	Total/NA	Water	8015B	
380-207013-AB-1 MS	Matrix Spike	Total/NA	Water	8015B	
380-207013-AB-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

QC Association Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

HPLC/IC

Analysis Batch: 218600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	300.0	
MB 380-218600/38	Method Blank	Total/NA	Water	300.0	
LCS 380-218600/40	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-218600/41	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-218600/39	Lab Control Sample	Total/NA	Water	300.0	
380-207013-T-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-207013-T-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 218601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	300.0	
MB 380-218601/38	Method Blank	Total/NA	Water	300.0	
LCS 380-218601/40	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-218601/41	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-218601/39	Lab Control Sample	Total/NA	Water	300.0	
380-207013-T-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-207013-T-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 218974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	300.0	
MB 380-218974/6	Method Blank	Total/NA	Water	300.0	
LCS 380-218974/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-218974/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-218974/5	Lab Control Sample	Total/NA	Water	300.0	
380-206826-V-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-206826-V-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 218923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	200.7 Rev 4.4	
MBL 380-218923/84	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-218923/86	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-218923/87	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-218923/85	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-207054-D-1 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-207054-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 218943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	200.8	
MBL 380-218943/49	Method Blank	Total/NA	Water	200.8	
LCS 380-218943/51	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-218943/52	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-218943/50	Lab Control Sample	Total/NA	Water	200.8	
380-206968-B-4 MS	Matrix Spike	Total/NA	Water	200.8	
380-206968-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

QC Association Summary

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Metals

Prep Batch: 220145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total Recoverable	Water	200.8	
MBL 380-220145/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 380-220145/3-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 380-220145/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
LLCS 380-220145/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
380-207916-BL-1-B MS	Matrix Spike	Total Recoverable	Water	200.8	
380-207916-BL-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	

Analysis Batch: 220316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total Recoverable	Water	200.8	220145
MBL 380-220145/1-A	Method Blank	Total Recoverable	Water	200.8	220145
LCS 380-220145/3-A	Lab Control Sample	Total Recoverable	Water	200.8	220145
LCSD 380-220145/4-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	220145
LLCS 380-220145/2-A	Lab Control Sample	Total Recoverable	Water	200.8	220145
380-207916-BL-1-B MS	Matrix Spike	Total Recoverable	Water	200.8	220145
380-207916-BL-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.8	220145

General Chemistry

Analysis Batch: 218881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	SM 2540C	
MB 380-218881/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-218881/4	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-218881/3	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-218881/2	Lab Control Sample	Total/NA	Water	SM 2540C	
380-207083-B-6 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 219219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	SM 4500 F C	
MB 380-219219/74	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-219219/76	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-219219/77	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-219219/75	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-206457-B-10 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-206457-B-10 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 219220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	SM 2320B	
MB 380-219220/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-219220/3	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-219220/18	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-219220/4	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-219220/2	Lab Control Sample	Total/NA	Water	SM 2320B	
380-206869-F-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-206869-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-206869-F-1 DU	Duplicate	Total/NA	Water	SM 2320B	

QC Association Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

General Chemistry

Analysis Batch: 219222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	SM 2510B	
MB 380-219222/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-219222/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-219222/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-219222/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-206869-F-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 219224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	SM 4500 H+ B	
MB 380-219224/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-219224/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-219224/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-206869-F-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 219498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	SM 4500 S2 D	
MB 380-219498/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-219498/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-219498/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-219498/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-207013-J-1 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 D	
380-207013-J-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 D	

Lab Chronicle

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

Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-1

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	221155	C4WQ	EA POM	04/15/26 23:25
Total/NA	Analysis	524.2		1	220208	Q6AD	EA POM	04/15/26 23:25
Total/NA	Analysis	524.2		1	220208	Q6AD	EA POM	04/15/26 23:25
Total/NA	Prep	525.2			219571	IQ42	EA POM	04/13/26 15:53
Total/NA	Analysis	525.2		1	220114	UPAC	EA POM	04/15/26 14:05
Total/NA	Prep	625.1			722458	H1SH	EET CAL 4	04/10/26 09:15
Total/NA	Analysis	625.1		1	725200	PQS1	EET CAL 4	04/16/26 12:32
Total/NA	Prep	625.1			722458	H1SH	EET CAL 4	04/10/26 09:15
Total/NA	Analysis	625.1 SIM		1	724634	PQS1	EET CAL 4	04/15/26 11:34
Total/NA	Analysis	8015B GRO LL		1	726079	A9VE	EET CAL 4	04/17/26 21:38
Total/NA	Prep	504.1			218851	X5FS	EA POM	04/09/26 15:42 - 04/09/26 16:40 ¹
Total/NA	Analysis	504.1		1	219081	X5FS	EA POM	04/10/26 10:22
Total/NA	Prep	505			218890	DR5R	EA POM	04/09/26 15:34 - 04/09/26 16:32 ¹
Total/NA	Analysis	505		1	219078	DR5R	EA POM	04/10/26 00:27
Total/NA	Prep	3510C			722504	EP2G	EET CAL 4	04/10/26 09:57
Total/NA	Analysis	8015B		1	723209	UJ3K	EET CAL 4	04/12/26 16:42
Total/NA	Analysis	8015B		1	723893	UJ3K	EET CAL 4	04/14/26 15:53
Total/NA	Analysis	300.0		2	218600	BG6L	EA POM	04/08/26 18:42
Total/NA	Analysis	300.0		2	218601	BG6L	EA POM	04/08/26 18:42
Total/NA	Analysis	300.0		1	218974	UNJR	EA POM	04/10/26 07:48
Total/NA	Analysis	200.7 Rev 4.4		1	218923	MF7S	EA POM	04/09/26 14:45
Total Recoverable	Prep	200.8			220145	Z45W	EA POM	04/15/26 10:17
Total Recoverable	Analysis	200.8		1	220316	T8BB	EA POM	04/15/26 19:12
Total/NA	Analysis	200.8		1	218943	T8BB	EA POM	04/09/26 14:44
Total/NA	Analysis	SM 2320B		1	219220	PK4Q	EA POM	04/09/26 20:57
Total/NA	Analysis	SM 2510B		1	219222	PK4Q	EA POM	04/09/26 20:57
Total/NA	Analysis	SM 2540C		1	218881	UJRF	EA POM	04/09/26 13:50
Total/NA	Analysis	SM 4500 F C		1	219219	PK4Q	EA POM	04/09/26 22:45
Total/NA	Analysis	SM 4500 H+ B		1	219224	PK4Q	EA POM	04/09/26 20:57
Total/NA	Analysis	SM 4500 S2 D		1	219498	ZJ2C	EA POM	04/13/26 15:33

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

Lab Sample ID: 380-206996-2

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	220208	Q6AD	EA POM	04/15/26 23:01
Total/NA	Analysis	524.2		1	220208	Q6AD	EA POM	04/15/26 23:01
Total/NA	Analysis	8015B GRO LL		1	726079	A9VE	EET CAL 4	04/17/26 22:01

Lab Chronicle

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-206996-2

Date Collected: 04/07/26 10:28

Matrix: Water

Date Received: 04/08/26 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	504.1			218851	X5FS	EA POM	04/09/26 15:42 - 04/09/26 16:40 ¹
Total/NA	Analysis	504.1		1	219081	X5FS	EA POM	04/10/26 11:26

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

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Accreditation/Certification Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

Laboratory: Eurofins Pomona

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

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

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

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

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

Accreditation/Certification Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

Laboratory: Eurofins Pomona (Continued)

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

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

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-206996-1
 SDG: Quarterly: Aiea Gulch Wells Pump 2

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
200.8	Preparation, Total Recoverable Metals	EPA	EA POM
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
504.1	Microextraction	EPA-DW	EA POM
505	Extraction, Organohalide Pesticides	EPA	EA POM
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4
None	Autocomplete Prep - Metals - No Digestion required	None	EA POM

Protocol References:

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

Laboratory References:

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

Sample Summary

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

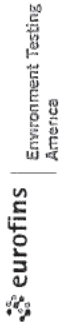
Job ID: 380-206996-1
SDG: Quarterly: Aiea Gulch Wells Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-206996-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	04/07/26 10:28	04/08/26 10:00	HI0000331
380-206996-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	04/07/26 10:28	04/08/26 10:00	

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

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

Chain of Custody Record



Client Information		Lab P.M. Lopez Mana	Carrier Tracking No(s)	COC No:
Client Contact: Kirk Iwamoto		E-Mail: Maria.Lopez@et.eurofins.com	State of Origin:	Page: Page 2 of 2
Company: City & County of Honolulu		PWSID	Job #:	
Address: 630 South Beretania Street, Chemistry Lab		Analysis Requested		
City: Honolulu		Total Number of Containers		
State, Zip: HI 96843		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)		
Phone: 808-748-5040 (tel)		504 PREC Local Method		
Email: kiwamoto@hbws.org		Field Filtered Sample (Yes or No)		
Project Name: RED-HILL		Perform MS/MSD (Yes or No)		
Site: SOW#:		Special Instructions/Note		
Due Date Requested:		Special Instructions/Note		
TAT Requested (days):		Special Instructions/Note		
Compliance Project: <input type="checkbox"/> No		Special Instructions/Note		
PO #: C20525101 exp 05312023		Special Instructions/Note		
WO #:		Special Instructions/Note		
Project #: 38001111		Special Instructions/Note		
Sample Date		Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Seawater, Other)
1028		1028		Water
7-Apr-2026		1028		
TB: Aiea Gulch Wells Pump 2 (331-202-TP072)				
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				
Relinquished by: <i>DELOA</i>				
Date/Time: 07/20/2026				
Relinquished by:				
Date/Time:				
Relinquished by:				
Date/Time:				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No				
Custody Seal No				
Method of Shipment: <i>FEDEX</i>				
Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months				
Special Instructions/QC Requirements				
Received by: <i>Maria Lopez</i>				
Date/Time: <i>4/9/26 1000</i>				
Company: <i>ELIA</i>				
Received by:				
Date/Time:				
Company:				
Cooler Temperature(s) °C and Other Remarks: <i>(631A) 3.4 + 0.2 = 4.1 gel - frozen</i>				



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Lopez, Maria		Carrier Tracking No(s): N/A		COC No: 380-321793.1											
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Maria.Lopez@et.eurofinsus.com		State of Origin: Hawaii		Page Page 1 of 1											
Company: Eurofins Environment Testing Southwest L				Accreditations Required (See note): State - Hawaii				Job #: 380-206996-1											
Address: 2841 Dow Avenue, Suite 100, City: Tustin State, Zip: CA, 92780		Due Date Requested: 4/21/2026		Analysis Requested						Preservation Codes: -									
Phone: 714-895-5494(Tel)		TAT Requested (days): N/A																	
Email: N/A		PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)		80168_DAIIEthanol		80168_DR0_LL_CS2519C_LLHNL Ranges: C10-C24/C24-C36/C36-C16		80168_GRO_LLJ8030C(MOD) GRO		625.1_SIM1625_Prep(MOD) Extended List		625.1625_Prep(MOD) Tentatively Identified Compounds (Hold)		Total Number of containers		Other: N/A	
Project Name: RED-HILL		Project #: 38001111																	
Site: Honolulu BWS Sites		SSOW#: N/A																	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=Solid, O=Waste/Soil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers		Special Instructions/Note:			
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-206996-1)		4/7/26		10:28 Hawaiian		G		Water								MRLs are needed. MRLs are needed. Confirm any hits >RL.			
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-206996-1)		4/7/26		10:28 Hawaiian		G		Water								MRLs are needed. Confirm any hits >RL.			



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

Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 4/9/26 11:50		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1.3/1.4 TR4			

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-206996-1
SDG Number: Quarterly: Aiea Gulch Wells Pump 2

Login Number: 206996

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-206996-1
SDG Number: Quarterly: Aiea Gulch Wells Pump 2

Login Number: 206996

List Number: 2

Creator: Ablian, Samantha

List Source: Eurofins Calscience

List Creation: 04/09/26 02:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3/1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	