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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Quarterly: Aiea Wells P2

JOB NUMBER

380-174679-1

Eurofins Eaton Analytical 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 Eaton Analytical, LLC Project Manager.

Compliance Statement

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

Authorization



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
B	Analyte was found in the associated method blank.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
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
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

Definitions/Glossary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Glossary (Continued)

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

Case Narrative

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

Job ID: 380-174679-1

Job ID: 380-174679-1

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Job Narrative 380-174679-1

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

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

Receipt

The samples were received on 10/3/2025 9:59 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 4.9°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: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-636448.

Method 625.1_SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-636448 and analytical batch 570-639157 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 570-636448 and analytical batch 570-639157 recovered outside control limits for multiple compounds.

Method 625.1_SIM: The laboratory control sample duplicate (LCSD) for preparation batch 570-636448 and analytical batch 570-639157 recovered outside control limits for multiple compounds and surrogates. HT expired, therefore no re-extraction. The data has been reported per PM/Client request.

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

Gasoline Range Organics

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

Diesel Range Organics

Method 8015B_DRO_LL_CS: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-636670. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

GC Semi VOA

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

Hydrocarbons

Method 8015B_DAI: The continuing calibration verification (CCV) associated with 570-637626 recovered high and outside the control limits for Ethanol and Hexafluoro-2-propanol (Surr) on one column. Results are confirmed on both columns and reported from the passing column.

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

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Case Narrative

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

Job ID: 380-174679-1

Job ID: 380-174679-1 (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_OF_48H_PREC: The following sample was diluted for Nitrite as N to prevent detector saturation due to high conductivity: AIEA WELLS P2 (260) (331-004-WL103) (380-174679-1). 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 200.8: The continuing calibration verification (CCV) associated with batch 380-178090 recovered above the upper control limit for Lead and Thallium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is: AIEA WELLS P2 (260) (331-004-WL103) (380-174679-1).

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

General Chemistry

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

Detection Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)
PWSID Number: HI0000331

Lab Sample ID: 380-174679-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.011		0.0098	ug/L	1		525.2	Total/NA
Bromide	390		25	ug/L	5		300.0	Total/NA
Chloride	110		2.5	mg/L	5		300.0	Total/NA
Nitrate as N	0.95		0.10	mg/L	2		300.0	Total/NA
Sulfate	18		0.50	mg/L	2		300.0	Total/NA
Calcium	21		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	20		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	2.6		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	42		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.8		0.90	ug/L	1		200.8	Total/NA
Copper	12		1.0	ug/L	1		200.8	Total/NA
Zinc	13		5.0	ug/L	1		200.8	Total/NA
Alkalinity	57		4.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	57		4.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	510		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	340		20	mg/L	1		SM 2540C	Total/NA
pH	7.7	HF		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-2

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: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

PWSID Number: HI0000331

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/04/25 23:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Tertiary Butyl Alcohol (TBA)	<2.0	^3+	2.0	ug/L			10/04/25 23:27	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/04/25 23:27	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/04/25 23:27	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/04/25 23:27	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/04/25 23:27	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/04/25 23:27	1
2-Butanone (MEK)	<5.0	^3+	5.0	ug/L			10/04/25 23:27	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/04/25 23:27	1
Acetone	<500	^3+	500	ug/L			10/04/25 23:27	1
Benzene	<0.50		0.50	ug/L			10/04/25 23:27	1
Bromobenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
Bromochloromethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Bromodichloromethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Bromoethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Bromoform	<0.50	^3+	0.50	ug/L			10/04/25 23:27	1
Bromomethane (Methyl Bromide)	<0.50	^3+	0.50	ug/L			10/04/25 23:27	1
Carbon disulfide	<0.50		0.50	ug/L			10/04/25 23:27	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/04/25 23:27	1
Chlorobenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Chloroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/04/25 23:27	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/04/25 23:27	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/04/25 23:27	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/04/25 23:27	1
Dibromomethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Dichloromethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Diisopropyl ether	<3.0		3.0	ug/L			10/04/25 23:27	1
Ethylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/04/25 23:27	1
Isopropylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
m,p-Xylenes	<0.50	^3+	0.50	ug/L			10/04/25 23:27	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/04/25 23:27	1

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Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/04/25 23:27	1
Naphthalene	<0.50		0.50	ug/L			10/04/25 23:27	1
n-Butylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
N-Propylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/04/25 23:27	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/04/25 23:27	1
o-Xylene	<0.50		0.50	ug/L			10/04/25 23:27	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/04/25 23:27	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/04/25 23:27	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/04/25 23:27	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
Styrene	<0.50		0.50	ug/L			10/04/25 23:27	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/04/25 23:27	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/04/25 23:27	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/04/25 23:27	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/04/25 23:27	1
Toluene	<0.50		0.50	ug/L			10/04/25 23:27	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/04/25 23:27	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/04/25 23:27	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/04/25 23:27	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/04/25 23:27	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/04/25 23:27	1
Vinyl Chloride (VC)	<0.30	^3+	0.30	ug/L			10/04/25 23:27	1
Xylenes, Total	<0.50		0.50	ug/L			10/04/25 23:27	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		10/04/25 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/04/25 23:27	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/04/25 23:27	1
Toluene-d8 (Surr)	99		70 - 130		10/04/25 23:27	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130		10/04/25 23:27	1
4-Bromofluorobenzene (Surr)	96		70 - 130		10/04/25 23:27	1
Toluene-d8 (Surr)	99		70 - 130		10/04/25 23:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
2,4'-DDE	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
2,4'-DDT	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
4,4'-DDD	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
4,4'-DDE	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
4,4'-DDT	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Acenaphthene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Acenaphthylene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Acetochlor	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Alachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
alpha-Chlordane	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Anthracene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:56	1
Atrazine	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:56	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:56	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:56	1
beta-BHC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/08/25 15:24	10/09/25 14:56	1
Aldrin	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Bromacil	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Butachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Butylbenzylphthalate	<0.49		0.49	ug/L		10/08/25 15:24	10/09/25 14:56	1
Chlorobenzilate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Chloroneb	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Chlorpyrifos	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Chrysene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:56	1
delta-BHC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/08/25 15:24	10/09/25 14:56	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Dieldrin	0.011		0.0098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Diethylphthalate	<0.49		0.49	ug/L		10/08/25 15:24	10/09/25 14:56	1
Dimethylphthalate	<0.49		0.49	ug/L		10/08/25 15:24	10/09/25 14:56	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		10/08/25 15:24	10/09/25 14:56	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Endosulfan sulfate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Endrin	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Endrin aldehyde	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
EPTC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Fluoranthene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Fluorene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:56	1
gamma-Chlordane	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Heptachlor	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Isophorone	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Malathion	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Methoxychlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Metolachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Molinate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1

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Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Parathion	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Phenanthrene	<0.039		0.039	ug/L		10/08/25 15:24	10/09/25 14:56	1
Propachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Pyrene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Simazine	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Terbacil	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Terbutylazine	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Thiobencarb	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/08/25 15:24	10/09/25 14:56	1
trans-Nonachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:56	1
Trifluralin	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
1-Methylnaphthalene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1
2-Methylnaphthalene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/08/25 15:24	10/09/25 14:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	10/08/25 15:24	10/09/25 14:56	1
Perylene-d12	101		70 - 130	10/08/25 15:24	10/09/25 14:56	1
Triphenylphosphate	111		70 - 130	10/08/25 15:24	10/09/25 14:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
2,4,5-Trichlorophenol	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
2,4,6-Trichlorophenol	<0.97	*- *1	0.97	ug/L		10/07/25 05:00	10/12/25 11:29	1
2,4-Dichlorophenol	<0.97	*- *1	0.97	ug/L		10/07/25 05:00	10/12/25 11:29	1
2,4-Dinitrophenol	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
2,6-Dichlorophenol	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
2-Chloronaphthalene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
2-Chlorophenol	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
2-Methylnaphthalene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
2-Methylphenol	<0.97	*- *1	0.97	ug/L		10/07/25 05:00	10/12/25 11:29	1
2-Nitroaniline	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
2-Nitrophenol	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
3/4-Methylphenol	<1.9	*- *1	1.9	ug/L		10/07/25 05:00	10/12/25 11:29	1
3-Nitroaniline	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
4,6-Dinitro-2-methylphenol	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
4-Bromophenyl phenyl ether	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
4-Chloro-3-methylphenol	<0.97	*- *1	0.97	ug/L		10/07/25 05:00	10/12/25 11:29	1
4-Chloroaniline	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
4-Chlorophenyl phenyl ether	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
4-Nitroaniline	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
4-Nitrophenol	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
Acenaphthene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Acenaphthylene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Aniline	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

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
Anthracene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzidine	<4.8	*- *1	4.8	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzo[a]anthracene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzo[a]pyrene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzo[b]fluoranthene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzo[g,h,i]perylene	<0.19	*1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzo[k]fluoranthene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzoic acid	<9.7	*- *1	9.7	ug/L		10/07/25 05:00	10/12/25 11:29	1
Benzyl alcohol	<0.97	*- *1	0.97	ug/L		10/07/25 05:00	10/12/25 11:29	1
Bis(2-chloroethoxy)methane	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Bis(2-chloroethyl)ether	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
bis (2-Chloroisopropyl) ether	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Chrysene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Dibenz(a,h)anthracene	<0.19	*1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Dibenzofuran	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Fluoranthene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Fluorene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Hexachloroethane	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Indeno[1,2,3-cd]pyrene	<0.19	*1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Naphthalene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Nitrobenzene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
N-Nitrosodi-n-propylamine	<0.19	*1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
N-Nitrosodiphenylamine	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Pentachlorophenol	<0.97	*- *1	0.97	ug/L		10/07/25 05:00	10/12/25 11:29	1
Phenanthrene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1
Phenol	<0.97	*- *1	0.97	ug/L		10/07/25 05:00	10/12/25 11:29	1
Pyrene	<0.19	*- *1	0.19	ug/L		10/07/25 05:00	10/12/25 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	102		28 - 127	10/07/25 05:00	10/12/25 11:29	1
2-Fluorobiphenyl (Surr)	90		31 - 120	10/07/25 05:00	10/12/25 11:29	1
2-Fluorophenol (Surr)	60		17 - 120	10/07/25 05:00	10/12/25 11:29	1
Nitrobenzene-d5 (Surr)	96		27 - 120	10/07/25 05:00	10/12/25 11:29	1
Phenol-d6 (Surr)	39		10 - 120	10/07/25 05:00	10/12/25 11:29	1
p-Terphenyl-d14 (Surr)	91		45 - 120	10/07/25 05:00	10/12/25 11:29	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclic octaatomic sulfur	4.3	T J N	ug/L		9.88	10544-50-0	10/07/25 05:00	10/20/25 11:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		33 - 139	10/07/25 05:00	10/20/25 11:14	1
2-Fluorobiphenyl (Surr)	111		33 - 126	10/07/25 05:00	10/20/25 11:14	1
2-Fluorophenol (Surr)	67		12 - 120	10/07/25 05:00	10/20/25 11:14	1
Nitrobenzene-d5 (Surr)	110		36 - 120	10/07/25 05:00	10/20/25 11:14	1
Phenol-d6 (Surr)	43		10 - 120	10/07/25 05:00	10/20/25 11:14	1
p-Terphenyl-d14 (Surr)	115		47 - 131	10/07/25 05:00	10/20/25 11:14	1

Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/12/25 14:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		38 - 134				10/12/25 14:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		10/06/25 15:19	10/07/25 02:02	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		10/06/25 15:19	10/07/25 02:02	1
1,2-Dibromoethane	<0.010		0.010	ug/L		10/06/25 15:19	10/07/25 02:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	108		60 - 140			10/06/25 15:19	10/07/25 02:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		10/07/25 10:43	10/07/25 16:10	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 16:10	1
PCB-1016	<0.070		0.070	ug/L		10/07/25 10:43	10/07/25 16:10	1
PCB-1221	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 16:10	1
PCB-1232	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 16:10	1
PCB-1242	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 16:10	1
PCB-1248	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 16:10	1
PCB-1254	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 16:10	1
PCB-1260	<0.070		0.070	ug/L		10/07/25 10:43	10/07/25 16:10	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	107		70 - 130			10/07/25 10:43	10/07/25 16:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		10/07/25 09:55	10/13/25 05:09	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		10/07/25 09:55	10/13/25 05:09	1
C8-C18	<26		26	ug/L		10/07/25 09:55	10/13/25 05:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	105		60 - 130			10/07/25 09:55	10/13/25 05:09	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			10/08/25 22:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	86		54 - 120				10/08/25 22:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	390		25	ug/L			10/07/25 20:44	5
Chloride	110		2.5	mg/L			10/06/25 21:23	5
Nitrate as N	0.95		0.10	mg/L			10/03/25 22:57	2
Nitrite as N	<0.10		0.10	mg/L			10/03/25 22:57	2

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18		0.50	mg/L			10/03/25 22:57	2

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	21		0.10	mg/L			10/06/25 16:52	1
Magnesium	20		0.10	mg/L			10/06/25 16:52	1
Potassium	2.6		0.10	mg/L			10/06/25 16:52	1
Sodium	42		0.10	mg/L			10/06/25 16:52	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L			10/06/25 14:44	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	ug/L			10/06/25 14:44	1
Arsenic	<1.0		1.0	ug/L			10/06/25 14:44	1
Beryllium	<0.30		0.30	ug/L			10/06/25 14:44	1
Cadmium	<0.50		0.50	ug/L			10/06/25 14:44	1
Chromium	1.8		0.90	ug/L			10/06/25 14:44	1
Copper	12		1.0	ug/L			10/06/25 14:44	1
Lead	<0.50	^+	0.50	ug/L			10/06/25 14:44	1
Nickel	<1.0		1.0	ug/L			10/06/25 14:44	1
Selenium	<2.0		2.0	ug/L			10/06/25 14:44	1
Silver	<0.50		0.50	ug/L			10/06/25 14:44	1
Thallium	<0.30	^+	0.30	ug/L			10/06/25 14:44	1
Zinc	13		5.0	ug/L			10/06/25 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	57		4.0	mg/L			10/06/25 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	57		4.0	mg/L			10/06/25 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0	mg/L			10/06/25 18:13	1
Specific Conductance (SM 2510B)	510		2.0	umhos/cm			10/06/25 18:13	1
Total Dissolved Solids (SM 2540C)	340		20	mg/L			10/07/25 14:59	1
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			10/08/25 16:58	1
pH (SM 4500 H+ B)	7.7	HF		SU			10/06/25 18:13	1
Sulfide (SM 4500 S2 D)	<0.050		0.050	mg/L			10/06/25 13:07	1

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-2

Date Collected: 10/02/25 10:47

Matrix: Water

Date Received: 10/03/25 09:59

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/07/25 22:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/07/25 22:49	1

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Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-2

Date Collected: 10/02/25 10:47

Matrix: Water

Date Received: 10/03/25 09:59

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/07/25 22:49	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/07/25 22:49	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/07/25 22:49	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/07/25 22:49	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			10/07/25 22:49	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/07/25 22:49	1
1,2,3-Trichlorobenzene	<0.50	B ^3+	0.50	ug/L			10/07/25 22:49	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/07/25 22:49	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/07/25 22:49	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/07/25 22:49	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/07/25 22:49	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/07/25 22:49	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/07/25 22:49	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/07/25 22:49	1
Acetone	<500		500	ug/L			10/07/25 22:49	1
Benzene	<0.50		0.50	ug/L			10/07/25 22:49	1
Bromobenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
Bromochloromethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Bromodichloromethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Bromoform	<0.50		0.50	ug/L			10/07/25 22:49	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/07/25 22:49	1
Carbon disulfide	<0.50		0.50	ug/L			10/07/25 22:49	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/07/25 22:49	1
Chlorobenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Chloroethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/07/25 22:49	1
Dichloromethane	<0.50		0.50	ug/L			10/07/25 22:49	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/07/25 22:49	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/07/25 22:49	1
Dibromomethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Ethylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
Hexachlorobutadiene	<0.50	^3+	0.50	ug/L			10/07/25 22:49	1
Isopropylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
m,p-Xylenes	<0.50		0.50	ug/L			10/07/25 22:49	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/07/25 22:49	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/07/25 22:49	1
Naphthalene	<0.50	B	0.50	ug/L			10/07/25 22:49	1
n-Butylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
N-Propylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/07/25 22:49	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/07/25 22:49	1
o-Xylene	<0.50		0.50	ug/L			10/07/25 22:49	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/07/25 22:49	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/07/25 22:49	1

Client Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-2

Date Collected: 10/02/25 10:47

Matrix: Water

Date Received: 10/03/25 09:59

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<0.50		0.50	ug/L			10/07/25 22:49	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
Styrene	<0.50		0.50	ug/L			10/07/25 22:49	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/07/25 22:49	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/07/25 22:49	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/07/25 22:49	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/07/25 22:49	1
Toluene	<0.50		0.50	ug/L			10/07/25 22:49	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/07/25 22:49	1
Xylenes, Total	<0.50		0.50	ug/L			10/07/25 22:49	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/07/25 22:49	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/07/25 22:49	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/07/25 22:49	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/07/25 22:49	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/07/25 22:49	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Bromoethane	<0.50		0.50	ug/L			10/07/25 22:49	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/07/25 22:49	1
Diisopropyl ether	<3.0		3.0	ug/L			10/07/25 22:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.5	T J	ug/L		1.05	N/A		10/07/25 22:49	1
Unknown	2.7	T J	ug/L		9.02	N/A		10/07/25 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 130		10/07/25 22:49	1
4-Bromofluorobenzene (Surr)	95		70 - 130		10/07/25 22:49	1
Toluene-d8 (Surr)	99		70 - 130		10/07/25 22:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/12/25 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		38 - 134		10/12/25 12:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		10/06/25 15:19	10/07/25 02:24	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		10/06/25 15:19	10/07/25 02:24	1
1,2-Dibromoethane	<0.010		0.010	ug/L		10/06/25 15:19	10/07/25 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dibromopropane (Surr)	108		60 - 140		10/06/25 15:19	10/07/25 02:24	1

Action Limit Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)
PWSID Number: HI0000331

Lab Sample ID: 380-174679-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org	EPAMCL	EPAMCL	Method	Prep Type
				Limit	Limit	S Limit		
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50	^3+	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	^3+	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	<0.19	*- *1	ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<0.97	*- *1	ug/L		1		625.1 SIM	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000			504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.50		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	<0.10		ug/L		2		505	Total/NA

Eurofins Eaton Analytical Pomona

Action Limit Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

(Continued)

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	HI Org Limit	EPAMCL Limit	EPAMCL	Method	Prep Type
						S Limit		
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA
Chloride	110		mg/L			250	300.0	Total/NA
Nitrate as N	0.95		mg/L		10		300.0	Total/NA
Nitrite as N	<0.10		mg/L		1		300.0	Total/NA
Sulfate	18		mg/L			250	300.0	Total/NA
Mercury	<0.20		ug/L		2		200.8	Total/NA
Antimony	<1.0		ug/L		6		200.8	Total/NA
Arsenic	<1.0		ug/L		10		200.8	Total/NA
Beryllium	<0.30		ug/L		4		200.8	Total/NA
Cadmium	<0.50		ug/L		5		200.8	Total/NA
Chromium	1.8		ug/L		100		200.8	Total/NA
Copper	12		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	13		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	340		mg/L			500	SM 2540C	Total/NA
Fluoride	<0.050		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.7	HF	SU			6.5	SM 4500 H+ B	Total/NA

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-2

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

Eurofins Eaton Analytical Pomona

Action Limit Summary

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)
(Continued)

Lab Sample ID: 380-174679-2

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
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: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		DCA (70-130)	DCA (70-130)	BFB (70-130)	BFB (70-130)	TOL (70-130)	TOL (70-130)
380-174679-1	AIEA WELLS P2 (260) (331-004)	94	94	96	96	99	99

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DCA (70-130)	BFB (70-130)	TOL (70-130)
380-174679-2	TB: AIEA WELLS P2 (260) (331-	92	95	99
LCS 380-177926/5	Lab Control Sample	100	102	101
LCS 380-178247/11	Lab Control Sample	98	94	98
LCSD 380-177926/6	Lab Control Sample Dup	96	98	99
LCSD 380-178247/12	Lab Control Sample Dup	98	100	101
MB 380-177926/8	Method Blank	91	92	98
MB 380-178247/15	Method Blank	96	95	99
MRL 380-177926/3	Lab Control Sample	96	96	100
MRL 380-177926/4	Lab Control Sample	94	104	101
MRL 380-178247/14	Lab Control Sample	97	98	99

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-174679-1	AIEA WELLS P2 (260) (331-004)	99	101	111
380-174679-1 DU	AIEA WELLS P2 (260) (331-004-WL103)	99	96	111

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-174241-Q-1-A MS	Matrix Spike	99	99	111
LCS 380-178571/20-A	Lab Control Sample	100	98	116
LCSD 380-178571/21-A	Lab Control Sample Dup	98	99	113

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Surrogate Summary

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)
MB 380-178571/18-A	Method Blank	100	94	108
MRL 380-178571/19-A	Lab Control Sample	97	90	110

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-174679-1	AIEA WELLS P2 (260) (331-004)	100	111	67	110	43	115

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
MB 570-636448/1-A	Method Blank	68	92	53	96	35	97

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-174679-1	AIEA WELLS P2 (260) (331-004)	102	90	60	96	39	91

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: City & County of Honolulu

Job ID: 380-174679-1

Project/Site: RED-HILL

SDG: Quarterly: Aiea Wells P2

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
LCS 570-636448/2-A	Lab Control Sample	93	89	66	81	44	93
LCSD 570-636448/3-A	Lab Control Sample Dup	13 S1-	13 S1-	8 S1-	13 S1-	6 S1-	13 S1-
MB 570-636448/1-A	Method Blank	89	88	55	95	35	91

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-174679-1	AIEA WELLS P2 (260) (331-004)	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-174167-C-1 MS	Matrix Spike	98
380-174167-C-1 MSD	Matrix Spike Duplicate	96
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	96
LCS 570-639227/4	Lab Control Sample	91
LCSD 570-639227/5	Lab Control Sample Dup	95
MB 570-639227/6	Method Blank	94
MRL 570-639227/3	Lab Control Sample	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DBPP1 (60-140)
380-174679-1	AIEA WELLS P2 (260) (331-004)	108

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Surrogate Summary

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DBPP1 (60-140)
110-2398-T-1-A MS	Matrix Spike	96
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	108
380-174708-G-1-A DU	Duplicate	104
LCS 380-178036/29-A	Lab Control Sample	100
MBL 380-178036/4-A	Method Blank	96
MRL 380 178036/2 A	Lab Control Sample	99
MRL 380-178036/3-A	Lab Control Sample	95

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-174679-1	AIEA WELLS P2 (260) (331-004)	107

Surrogate Legend

TCX = Tetrachloro-m-xylene

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-174393-CR-1-A MS	Matrix Spike	105
380-174393-CS-1-A MS	Matrix Spike	112
380-174567-F-1-A MS	Matrix Spike	114
380-174567-G-1-A MS	Matrix Spike	114
LCS 380-178176/28-A	Lab Control Sample	116
LCS 380-178176/30-A	Lab Control Sample	111
LCS 380-178176/31-A	Lab Control Sample	113
LCSD 380-178176/29-A	Lab Control Sample Dup	120
MB 380-178176/3-A	Method Blank	109
MRL 380-178176/1-A	Lab Control Sample	106
MRL 380-178176/2-A	Lab Control Sample	107

Surrogate Legend

TCX = Tetrachloro-m-xylene

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-174679-1	AIEA WELLS P2 (260) (331-004)	105

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
LCS 570-636670/2-A	Lab Control Sample	94
LCSD 570-636670/3-A	Lab Control Sample Dup	102
MB 570-636670/1-A	Method Blank	99
MRL 570-636670/4-A	Lab Control Sample	104

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (54-120)
380-174679-1	AIEA WELLS P2 (260) (331-004)	86

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (54-120)
570-249246-A-1 MS	Matrix Spike	87
570-249246-A-1 MSD	Matrix Spike Duplicate	92 p
LCS 570-637626/5	Lab Control Sample	91
LCSD 570-637626/6	Lab Control Sample Dup	83
MB 570-637626/3	Method Blank	86
MRL 570-637626/4	Lab Control Sample	102

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

QC Sample Results

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 380-177926/8
Matrix: Water
Analysis Batch: 177926

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/04/25 15:40	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			10/04/25 15:40	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/04/25 15:40	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/04/25 15:40	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/04/25 15:40	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/04/25 15:40	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/04/25 15:40	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/04/25 15:40	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/04/25 15:40	1
Acetone	<500		500	ug/L			10/04/25 15:40	1
Benzene	<0.50		0.50	ug/L			10/04/25 15:40	1
Bromobenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
Bromochloromethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Bromodichloromethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Bromoform	<0.50		0.50	ug/L			10/04/25 15:40	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/04/25 15:40	1
Carbon disulfide	<0.50		0.50	ug/L			10/04/25 15:40	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/04/25 15:40	1
Chlorobenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Chloroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/04/25 15:40	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/04/25 15:40	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/04/25 15:40	1
Dibromomethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Dichloromethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Ethylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/04/25 15:40	1
Isopropylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
m,p-Xylenes	<0.50		0.50	ug/L			10/04/25 15:40	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/04/25 15:40	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/04/25 15:40	1
Naphthalene	<0.50		0.50	ug/L			10/04/25 15:40	1
n-Butylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
N-Propylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/04/25 15:40	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/04/25 15:40	1

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QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 380-177926/8
Matrix: Water
Analysis Batch: 177926

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.50		0.50	ug/L			10/04/25 15:40	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/04/25 15:40	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/04/25 15:40	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/04/25 15:40	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
Styrene	<0.50		0.50	ug/L			10/04/25 15:40	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/04/25 15:40	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/04/25 15:40	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/04/25 15:40	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/04/25 15:40	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/04/25 15:40	1
Toluene	<0.50		0.50	ug/L			10/04/25 15:40	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/04/25 15:40	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/04/25 15:40	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/04/25 15:40	1
Bromoethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/04/25 15:40	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/04/25 15:40	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/04/25 15:40	1
Diisopropyl ether	<3.0		3.0	ug/L			10/04/25 15:40	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/04/25 15:40	1
Xylenes, Total	<0.50		0.50	ug/L			10/04/25 15:40	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		10/04/25 15:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 130		10/04/25 15:40	1
4-Bromofluorobenzene (Surr)	92		70 - 130		10/04/25 15:40	1
Toluene-d8 (Surr)	98		70 - 130		10/04/25 15:40	1

Lab Sample ID: LCS 380-177926/5
Matrix: Water
Analysis Batch: 177926

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	5.05		ug/L		101	70 - 130
1,1,1-Trichloroethane	5.00	4.98		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.24		ug/L		105	70 - 130
1,1,2-Trichloroethane	5.00	4.88		ug/L		98	70 - 130
1,1-Dichloroethane	5.00	5.04		ug/L		101	70 - 130
1,1-Dichloroethylene	5.00	5.10		ug/L		102	70 - 130
1,1-Dichloropropene	5.00	4.86		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	5.00	4.44		ug/L		89	70 - 130
1,2,3-Trichloropropane	5.00	5.18		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	5.00	4.92		ug/L		98	70 - 130
1,2,4-Trimethylbenzene	5.00	4.91		ug/L		98	70 - 130
1,2-Dichloroethane	5.00	5.12		ug/L		102	70 - 130

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QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCS 380-177926/5
Matrix: Water
Analysis Batch: 177926

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	5.00	4.94		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	5.00	5.04		ug/L		101	70 - 130
1,3-Dichloropropane	5.00	5.03		ug/L		101	70 - 130
2,2-Dichloropropane	5.00	5.00		ug/L		100	70 - 130
2-Butanone (MEK)	50.0	58.8		ug/L		118	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	55.0		ug/L		110	70 - 130
Acetone	50.0	57.6	J	ug/L		115	70 - 130
Benzene	5.00	5.00		ug/L		100	70 - 130
Bromobenzene	5.00	4.93		ug/L		99	70 - 130
Bromochloromethane	5.00	5.02		ug/L		100	70 - 130
Bromodichloromethane	5.00	5.06		ug/L		101	70 - 130
Bromoform	5.00	6.37		ug/L		127	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.41		ug/L		108	70 - 130
Carbon disulfide	5.00	5.28		ug/L		106	70 - 130
Carbon tetrachloride	5.00	4.93		ug/L		99	70 - 130
Chlorobenzene	5.00	5.07		ug/L		101	70 - 130
Chlorodibromomethane	5.00	5.34		ug/L		107	70 - 130
cis-1,3-Dichloropropene	5.00	5.10		ug/L		102	70 - 130
Dichloromethane	5.00	5.15		ug/L		103	70 - 130
Ethylbenzene	5.00	5.18		ug/L		104	70 - 130
Hexachlorobutadiene	5.00	5.01		ug/L		100	70 - 130
Isopropylbenzene	5.00	5.13		ug/L		103	70 - 130
m,p-Xylenes	10.0	10.1		ug/L		101	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	4.91		ug/L		98	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	4.93		ug/L		99	70 - 130
Naphthalene	5.00	4.55		ug/L		91	70 - 130
n-Butylbenzene	5.00	4.92		ug/L		98	70 - 130
N-Propylbenzene	5.00	5.19		ug/L		104	70 - 130
o-Chlorotoluene	5.00	4.85		ug/L		97	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	4.79		ug/L		96	70 - 130
o-Xylene	5.00	5.07		ug/L		101	70 - 130
p-Chlorotoluene	5.00	5.02		ug/L		100	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.06		ug/L		101	70 - 130
p-Isopropyltoluene	5.00	5.20		ug/L		104	70 - 130
sec-Butylbenzene	5.00	5.18		ug/L		104	70 - 130
Styrene	5.00	5.07		ug/L		101	70 - 130
Tert-amyl methyl ether	5.00	5.31		ug/L		106	70 - 130
1,3-Dichloropropene, Total	10.0	10.2		ug/L		102	70 - 130
Tert-butyl ethyl ether	5.00	5.15		ug/L		103	70 - 130
tert-Butylbenzene	5.00	5.18		ug/L		104	70 - 130
Tetrachloroethene (PCE)	5.00	5.11		ug/L		102	70 - 130
Toluene	5.00	4.82		ug/L		96	70 - 130
trans-1,2-Dichloroethylene	5.00	4.85		ug/L		97	70 - 130
trans-1,3-Dichloropropene	5.00	5.08		ug/L		102	70 - 130
Trichloroethylene (TCE)	5.00	4.90		ug/L		98	70 - 130
Bromoethane	5.00	5.30		ug/L		106	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.61		ug/L		112	70 - 130
Trichlorotrifluoroethane	5.00	5.53		ug/L		111	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCS 380-177926/5
Matrix: Water
Analysis Batch: 177926

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diisopropyl ether	5.00	5.09		ug/L		102	70 - 130
Vinyl Chloride (VC)	5.00	5.39		ug/L		108	70 - 130
Xylenes, Total	15.0	15.2		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 380-177926/6
Matrix: Water
Analysis Batch: 177926

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	4.87		ug/L		97	70 - 130	4	20
1,1,1-Trichloroethane	5.00	4.76		ug/L		95	70 - 130	5	20
1,1,2,2-Tetrachloroethane	5.00	5.01		ug/L		100	70 - 130	4	20
1,1,2-Trichloroethane	5.00	4.71		ug/L		94	70 - 130	4	20
1,1-Dichloroethane	5.00	4.92		ug/L		98	70 - 130	2	20
1,1-Dichlorethylene	5.00	5.15		ug/L		103	70 - 130	1	20
1,1-Dichloropropene	5.00	4.77		ug/L		95	70 - 130	2	20
1,2,3-Trichlorobenzene	5.00	4.86		ug/L		97	70 - 130	9	20
1,2,3-Trichloropropane	5.00	4.97		ug/L		99	70 - 130	4	20
1,2,4-Trichlorobenzene	5.00	4.96		ug/L		99	70 - 130	1	20
1,2,4-Trimethylbenzene	5.00	4.75		ug/L		95	70 - 130	3	20
1,2-Dichloroethane	5.00	4.85		ug/L		97	70 - 130	5	20
1,2-Dichloropropane	5.00	4.83		ug/L		97	70 - 130	2	20
1,3,5-Trimethylbenzene	5.00	4.76		ug/L		95	70 - 130	6	20
1,3-Dichloropropane	5.00	5.00		ug/L		100	70 - 130	1	20
2,2-Dichloropropane	5.00	4.74		ug/L		95	70 - 130	5	20
2-Butanone (MEK)	50.0	58.2		ug/L		116	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	50.0	55.3		ug/L		111	70 - 130	1	20
Acetone	50.0	57.4	J	ug/L		115	70 - 130	0	20
Benzene	5.00	4.98		ug/L		100	70 - 130	0	20
Bromobenzene	5.00	4.81		ug/L		96	70 - 130	2	20
Bromochloromethane	5.00	4.94		ug/L		99	70 - 130	2	20
Bromodichloromethane	5.00	4.67		ug/L		93	70 - 130	8	20
Bromoform	5.00	6.12		ug/L		122	70 - 130	4	20
Bromomethane (Methyl Bromide)	5.00	5.18		ug/L		104	70 - 130	4	20
Carbon disulfide	5.00	5.24		ug/L		105	70 - 130	1	20
Carbon tetrachloride	5.00	4.83		ug/L		97	70 - 130	2	20
Chlorobenzene	5.00	4.79		ug/L		96	70 - 130	6	20
Chlorodibromomethane	5.00	5.15		ug/L		103	70 - 130	4	20
cis-1,3-Dichloropropene	5.00	4.82		ug/L		96	70 - 130	6	20
Dichloromethane	5.00	5.11		ug/L		102	70 - 130	1	20
Ethylbenzene	5.00	5.04		ug/L		101	70 - 130	3	20
Hexachlorobutadiene	5.00	4.99		ug/L		100	70 - 130	0	20
Isopropylbenzene	5.00	4.98		ug/L		100	70 - 130	3	20

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-177926/6
Matrix: Water
Analysis Batch: 177926

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	10.0	10.0		ug/L		100	70 - 130	1	20
m-Dichlorobenzene (1,3-DCB)	5.00	4.86		ug/L		97	70 - 130	1	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.74		ug/L		95	70 - 130	4	20
Naphthalene	5.00	5.01		ug/L		100	70 - 130	10	20
n-Butylbenzene	5.00	4.80		ug/L		96	70 - 130	2	20
N-Propylbenzene	5.00	4.92		ug/L		98	70 - 130	5	20
o-Chlorotoluene	5.00	4.62		ug/L		92	70 - 130	5	20
o-Dichlorobenzene (1,2-DCB)	5.00	4.75		ug/L		95	70 - 130	1	20
o-Xylene	5.00	4.88		ug/L		98	70 - 130	4	20
p-Chlorotoluene	5.00	4.83		ug/L		97	70 - 130	4	20
p-Dichlorobenzene (1,4-DCB)	5.00	4.87		ug/L		97	70 - 130	4	20
p-Isopropyltoluene	5.00	5.05		ug/L		101	70 - 130	3	20
sec-Butylbenzene	5.00	4.90		ug/L		98	70 - 130	6	20
Styrene	5.00	4.73		ug/L		95	70 - 130	7	20
Tert-amyl methyl ether	5.00	4.97		ug/L		99	70 - 130	7	20
1,3-Dichloropropene, Total	10.0	9.61		ug/L		96	70 - 130	6	20
Tert-butyl ethyl ether	5.00	4.80		ug/L		96	70 - 130	7	20
tert-Butylbenzene	5.00	4.94		ug/L		99	70 - 130	5	20
Tetrachloroethene (PCE)	5.00	4.92		ug/L		98	70 - 130	4	20
Toluene	5.00	4.70		ug/L		94	70 - 130	3	20
trans-1,2-Dichloroethylene	5.00	4.83		ug/L		97	70 - 130	0	20
trans-1,3-Dichloropropene	5.00	4.79		ug/L		96	70 - 130	6	20
Trichloroethylene (TCE)	5.00	4.97		ug/L		99	70 - 130	1	20
Bromoethane	5.00	5.45		ug/L		109	70 - 130	3	20
Trichlorofluoromethane (Freon 11)	5.00	5.46		ug/L		109	70 - 130	3	20
Trichlorotrifluoroethane	5.00	5.41		ug/L		108	70 - 130	2	20
Diisopropyl ether	5.00	5.09		ug/L		102	70 - 130	0	20
Vinyl Chloride (VC)	5.00	5.27		ug/L		105	70 - 130	2	20
Xylenes, Total	15.0	14.9		ug/L		99	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MRL 380-177926/3
Matrix: Water
Analysis Batch: 177926

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	0.888	^3+	ug/L		178	50 - 150
Vinyl Chloride (VC)	0.250	0.485	^3+	ug/L		194	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Toluene-d8 (Surr)	100		70 - 130

QC Sample Results

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-177926/4
Matrix: Water
Analysis Batch: 177926

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	0.569		ug/L		114	50 - 150
1,1,1-Trichloroethane	0.500	0.602		ug/L		120	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.698		ug/L		140	50 - 150
1,1,2-Trichloroethane	0.500	0.703		ug/L		141	50 - 150
1,1-Dichloroethane	0.500	0.615		ug/L		123	50 - 150
1,1-Dichlorethylene	0.500	0.647		ug/L		129	50 - 150
1,1-Dichloropropene	0.500	0.647		ug/L		129	50 - 150
1,2,3-Trichlorobenzene	0.500	0.697		ug/L		139	50 - 150
1,2,3-Trichloropropane	0.500	0.673		ug/L		135	50 - 150
1,2,4-Trichlorobenzene	0.500	0.666		ug/L		133	50 - 150
1,2,4-Trimethylbenzene	0.500	0.639		ug/L		128	50 - 150
1,2-Dichloroethane	0.500	0.641		ug/L		128	50 - 150
1,2-Dichloropropane	0.500	0.633		ug/L		127	50 - 150
1,3,5-Trimethylbenzene	0.500	0.650		ug/L		130	50 - 150
1,3-Dichloropropane	0.500	0.610		ug/L		122	50 - 150
2,2-Dichloropropane	0.500	0.592		ug/L		118	50 - 150
2-Butanone (MEK)	5.00	9.79	^3+	ug/L		196	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	7.41		ug/L		148	50 - 150
Acetone	5.00	11.3	^3+	ug/L		226	50 - 150
Benzene	0.500	0.623		ug/L		125	50 - 150
Bromobenzene	0.500	0.620		ug/L		124	50 - 150
Bromochloromethane	0.500	0.637		ug/L		127	50 - 150
Bromodichloromethane	0.500	0.638		ug/L		128	50 - 150
Bromoform	0.500	0.949	^3+	ug/L		190	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.830	^3+	ug/L		166	50 - 150
Carbon disulfide	0.500	0.648		ug/L		130	50 - 150
Carbon tetrachloride	0.500	0.632		ug/L		126	50 - 150
Chlorobenzene	0.500	0.622		ug/L		124	50 - 150
Chlorodibromomethane	0.500	0.714		ug/L		143	50 - 150
cis-1,3-Dichloropropene	0.500	0.576		ug/L		115	50 - 150
Dichloromethane	0.500	0.652		ug/L		130	50 - 150
Ethylbenzene	0.500	0.665		ug/L		133	50 - 150
Hexachlorobutadiene	0.500	0.664		ug/L		133	50 - 150
Isopropylbenzene	0.500	0.651		ug/L		130	50 - 150
m,p-Xylenes	1.00	1.29		ug/L		129	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.637		ug/L		127	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.610		ug/L		122	50 - 150
Naphthalene	0.500	0.690		ug/L		138	50 - 150
n-Butylbenzene	0.500	0.632		ug/L		126	50 - 150
N-Propylbenzene	0.500	0.667		ug/L		133	50 - 150
o-Chlorotoluene	0.500	0.614		ug/L		123	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.630		ug/L		126	50 - 150
o-Xylene	0.500	0.618		ug/L		124	50 - 150
p-Chlorotoluene	0.500	0.636		ug/L		127	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.645		ug/L		129	50 - 150
p-Isopropyltoluene	0.500	0.657		ug/L		131	50 - 150
sec-Butylbenzene	0.500	0.660		ug/L		132	50 - 150
Styrene	0.500	0.646		ug/L		129	50 - 150

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-177926/4
Matrix: Water
Analysis Batch: 177926

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Tert-amyl methyl ether	0.500	0.605	J	ug/L		121	50 - 150
1,3-Dichloropropene, Total	1.00	1.13		ug/L		113	50 - 150
Tert-butyl ethyl ether	0.500	0.598	J	ug/L		120	50 - 150
tert-Butylbenzene	0.500	0.683		ug/L		137	50 - 150
Tetrachloroethene (PCE)	0.500	0.612		ug/L		122	50 - 150
Toluene	0.500	0.616		ug/L		123	50 - 150
trans-1,2-Dichloroethylene	0.500	0.639		ug/L		128	50 - 150
trans-1,3-Dichloropropene	0.500	0.552		ug/L		110	50 - 150
Trichloroethylene (TCE)	0.500	0.617		ug/L		123	50 - 150
Bromoethane	0.500	0.720		ug/L		144	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.687		ug/L		137	50 - 150
Trichlorotrifluoroethane	0.500	0.730		ug/L		146	50 - 150
Diisopropyl ether	0.500	0.630	J	ug/L		126	50 - 150
Vinyl Chloride (VC)	0.500	0.686		ug/L		137	50 - 150
Xylenes, Total	1.50	1.91		ug/L		128	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 380-178247/15
Matrix: Water
Analysis Batch: 178247

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/07/25 18:33	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/07/25 18:33	1
1,2,3-Trichlorobenzene	0.594	B	0.50	ug/L			10/07/25 18:33	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/07/25 18:33	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/07/25 18:33	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/07/25 18:33	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/07/25 18:33	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/07/25 18:33	1
Acetone	<500		500	ug/L			10/07/25 18:33	1
Benzene	<0.50		0.50	ug/L			10/07/25 18:33	1
Bromobenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
Bromochloromethane	<0.50		0.50	ug/L			10/07/25 18:33	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 380-178247/15
Matrix: Water
Analysis Batch: 178247

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Bromodichloromethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Bromoform	<0.50		0.50	ug/L			10/07/25 18:33	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/07/25 18:33	1
Carbon disulfide	<0.50		0.50	ug/L			10/07/25 18:33	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/07/25 18:33	1
Chlorobenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Chloroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/07/25 18:33	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/07/25 18:33	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/07/25 18:33	1
Dibromomethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Dichloromethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Ethylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/07/25 18:33	1
Isopropylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
m,p-Xylenes	<0.50		0.50	ug/L			10/07/25 18:33	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/07/25 18:33	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/07/25 18:33	1
Naphthalene	0.513	B	0.50	ug/L			10/07/25 18:33	1
n-Butylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
N-Propylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/07/25 18:33	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/07/25 18:33	1
o-Xylene	<0.50		0.50	ug/L			10/07/25 18:33	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/07/25 18:33	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/07/25 18:33	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/07/25 18:33	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
Styrene	<0.50		0.50	ug/L			10/07/25 18:33	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/07/25 18:33	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/07/25 18:33	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/07/25 18:33	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/07/25 18:33	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/07/25 18:33	1
Toluene	<0.50		0.50	ug/L			10/07/25 18:33	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/07/25 18:33	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/07/25 18:33	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/07/25 18:33	1
Bromoethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/07/25 18:33	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/07/25 18:33	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/07/25 18:33	1
Diisopropyl ether	<3.0		3.0	ug/L			10/07/25 18:33	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/07/25 18:33	1
Xylenes, Total	<0.50		0.50	ug/L			10/07/25 18:33	1

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 380-178247/15
Matrix: Water
Analysis Batch: 178247

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

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>			<i>N/A</i>		<i>10/07/25 18:33</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>96</i>		<i>70 - 130</i>		<i>10/07/25 18:33</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>95</i>		<i>70 - 130</i>		<i>10/07/25 18:33</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>70 - 130</i>		<i>10/07/25 18:33</i>	<i>1</i>

Lab Sample ID: LCS 380-178247/11
Matrix: Water
Analysis Batch: 178247

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1,1,2-Tetrachloroethane	5.00	4.50		ug/L		90	70 - 130
1,1,1-Trichloroethane	5.00	4.92		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.58		ug/L		92	70 - 130
1,1,2-Trichloroethane	5.00	4.45		ug/L		89	70 - 130
1,1-Dichloroethane	5.00	4.85		ug/L		97	70 - 130
1,1-Dichlorethylene	5.00	4.94		ug/L		99	70 - 130
1,1-Dichloropropene	5.00	4.83		ug/L		97	70 - 130
1,2,3-Trichlorobenzene	5.00	5.18		ug/L		104	70 - 130
1,2,3-Trichloropropane	5.00	4.68		ug/L		94	70 - 130
1,2,4-Trichlorobenzene	5.00	5.18		ug/L		104	70 - 130
1,2,4-Trimethylbenzene	5.00	4.64		ug/L		93	70 - 130
1,2-Dichloroethane	5.00	4.32		ug/L		86	70 - 130
1,2-Dichloropropane	5.00	4.56		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	5.00	4.85		ug/L		97	70 - 130
1,3-Dichloropropane	5.00	4.69		ug/L		94	70 - 130
2,2-Dichloropropane	5.00	4.48		ug/L		90	70 - 130
2-Butanone (MEK)	50.0	47.5		ug/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	47.2		ug/L		94	70 - 130
Acetone	50.0	46.7	J	ug/L		93	70 - 130
Benzene	5.00	4.83		ug/L		97	70 - 130
Bromobenzene	5.00	4.63		ug/L		93	70 - 130
Bromochloromethane	5.00	4.71		ug/L		94	70 - 130
Bromodichloromethane	5.00	4.82		ug/L		96	70 - 130
Bromoform	5.00	4.61		ug/L		92	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.33		ug/L		107	70 - 130
Carbon disulfide	5.00	4.25		ug/L		85	70 - 130
Carbon tetrachloride	5.00	5.21		ug/L		104	70 - 130
Chlorobenzene	5.00	4.72		ug/L		94	70 - 130
Chlorodibromomethane	5.00	4.62		ug/L		92	70 - 130
cis-1,3-Dichloropropene	5.00	4.30		ug/L		86	70 - 130
Dichloromethane	5.00	4.82		ug/L		96	70 - 130
Ethylbenzene	5.00	4.89		ug/L		98	70 - 130
Hexachlorobutadiene	5.00	5.39		ug/L		108	70 - 130
Isopropylbenzene	5.00	4.93		ug/L		99	70 - 130
m,p-Xylenes	10.0	9.69		ug/L		97	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	4.80		ug/L		96	70 - 130

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QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCS 380-178247/11
Matrix: Water
Analysis Batch: 178247

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl-tert-butyl Ether (MTBE)	5.00	4.63		ug/L		93	70 - 130
Naphthalene	5.00	5.21		ug/L		104	70 - 130
n-Butylbenzene	5.00	5.19		ug/L		104	70 - 130
N-Propylbenzene	5.00	4.84		ug/L		97	70 - 130
o-Chlorotoluene	5.00	4.77		ug/L		95	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.24		ug/L		105	70 - 130
o-Xylene	5.00	4.81		ug/L		96	70 - 130
p-Chlorotoluene	5.00	4.81		ug/L		96	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	4.78		ug/L		96	70 - 130
p-Isopropyltoluene	5.00	4.80		ug/L		96	70 - 130
sec-Butylbenzene	5.00	4.89		ug/L		98	70 - 130
Styrene	5.00	4.75		ug/L		95	70 - 130
Tert-amyl methyl ether	5.00	4.82		ug/L		96	70 - 130
1,3-Dichloropropene, Total	10.0	8.51		ug/L		85	70 - 130
Tert-butyl ethyl ether	5.00	4.76		ug/L		95	70 - 130
tert-Butylbenzene	5.00	4.79		ug/L		96	70 - 130
Tetrachloroethene (PCE)	5.00	4.72		ug/L		94	70 - 130
Toluene	5.00	4.54		ug/L		91	70 - 130
trans-1,2-Dichloroethylene	5.00	4.78		ug/L		96	70 - 130
trans-1,3-Dichloropropene	5.00	4.21		ug/L		84	70 - 130
Trichloroethylene (TCE)	5.00	4.69		ug/L		94	70 - 130
Bromoethane	5.00	4.68		ug/L		94	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.34		ug/L		107	70 - 130
Trichlorotrifluoroethane	5.00	4.85		ug/L		97	70 - 130
Diisopropyl ether	5.00	4.57		ug/L		91	70 - 130
Vinyl Chloride (VC)	5.00	5.25		ug/L		105	70 - 130
Xylenes, Total	15.0	14.5		ug/L		97	70 - 130

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

Lab Sample ID: LCSD 380-178247/12
Matrix: Water
Analysis Batch: 178247

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	4.65		ug/L		93	70 - 130	3	20
1,1,1-Trichloroethane	5.00	5.02		ug/L		100	70 - 130	2	20
1,1,1,2-Tetrachloroethane	5.00	4.71		ug/L		94	70 - 130	3	20
1,1,2-Trichloroethane	5.00	4.72		ug/L		94	70 - 130	6	20
1,1-Dichloroethane	5.00	5.00		ug/L		100	70 - 130	3	20
1,1-Dichloroethylene	5.00	5.18		ug/L		104	70 - 130	5	20
1,1-Dichloropropene	5.00	5.12		ug/L		102	70 - 130	6	20
1,2,3-Trichlorobenzene	5.00	4.64		ug/L		93	70 - 130	11	20
1,2,3-Trichloropropane	5.00	4.74		ug/L		95	70 - 130	1	20
1,2,4-Trichlorobenzene	5.00	4.50		ug/L		90	70 - 130	14	20

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QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-178247/12
Matrix: Water
Analysis Batch: 178247

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	5.00	4.74		ug/L		95	70 - 130	2	20
1,2-Dichloroethane	5.00	4.93		ug/L		99	70 - 130	13	20
1,2-Dichloropropane	5.00	4.86		ug/L		97	70 - 130	6	20
1,3,5-Trimethylbenzene	5.00	4.99		ug/L		100	70 - 130	3	20
1,3-Dichloropropane	5.00	4.92		ug/L		98	70 - 130	5	20
2,2-Dichloropropane	5.00	4.33		ug/L		87	70 - 130	4	20
2-Butanone (MEK)	50.0	52.8		ug/L		106	70 - 130	11	20
4-Methyl-2-pentanone (MIBK)	50.0	49.5		ug/L		99	70 - 130	5	20
Acetone	50.0	47.2	J	ug/L		94	70 - 130	1	20
Benzene	5.00	5.26		ug/L		105	70 - 130	9	20
Bromobenzene	5.00	4.73		ug/L		95	70 - 130	2	20
Bromochloromethane	5.00	4.96		ug/L		99	70 - 130	5	20
Bromodichloromethane	5.00	4.88		ug/L		98	70 - 130	1	20
Bromoform	5.00	4.77		ug/L		95	70 - 130	3	20
Bromomethane (Methyl Bromide)	5.00	5.33		ug/L		107	70 - 130	0	20
Carbon disulfide	5.00	4.49		ug/L		90	70 - 130	6	20
Carbon tetrachloride	5.00	5.33		ug/L		107	70 - 130	2	20
Chlorobenzene	5.00	5.00		ug/L		100	70 - 130	6	20
Chlorodibromomethane	5.00	4.98		ug/L		100	70 - 130	7	20
cis-1,3-Dichloropropene	5.00	4.49		ug/L		90	70 - 130	4	20
Dichloromethane	5.00	5.04		ug/L		101	70 - 130	4	20
Ethylbenzene	5.00	5.12		ug/L		102	70 - 130	4	20
Hexachlorobutadiene	5.00	4.65		ug/L		93	70 - 130	15	20
Isopropylbenzene	5.00	5.11		ug/L		102	70 - 130	3	20
m,p-Xylenes	10.0	10.3		ug/L		103	70 - 130	6	20
m-Dichlorobenzene (1,3-DCB)	5.00	4.93		ug/L		99	70 - 130	3	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.44		ug/L		89	70 - 130	4	20
Naphthalene	5.00	4.62		ug/L		92	70 - 130	12	20
n-Butylbenzene	5.00	4.51		ug/L		90	70 - 130	14	20
N-Propylbenzene	5.00	4.99		ug/L		100	70 - 130	3	20
o-Chlorotoluene	5.00	4.92		ug/L		98	70 - 130	3	20
o-Dichlorobenzene (1,2-DCB)	5.00	4.48		ug/L		90	70 - 130	16	20
o-Xylene	5.00	5.13		ug/L		103	70 - 130	6	20
p-Chlorotoluene	5.00	4.93		ug/L		99	70 - 130	3	20
p-Dichlorobenzene (1,4-DCB)	5.00	4.96		ug/L		99	70 - 130	4	20
p-Isopropyltoluene	5.00	4.98		ug/L		100	70 - 130	4	20
sec-Butylbenzene	5.00	5.05		ug/L		101	70 - 130	3	20
Styrene	5.00	5.08		ug/L		102	70 - 130	7	20
Tert-amyl methyl ether	5.00	4.62		ug/L		92	70 - 130	4	20
1,3-Dichloropropene, Total	10.0	8.79		ug/L		88	70 - 130	3	20
Tert-butyl ethyl ether	5.00	4.59		ug/L		92	70 - 130	3	20
tert-Butylbenzene	5.00	4.95		ug/L		99	70 - 130	3	20
Tetrachloroethene (PCE)	5.00	5.05		ug/L		101	70 - 130	7	20
Toluene	5.00	4.94		ug/L		99	70 - 130	8	20
trans-1,2-Dichloroethylene	5.00	5.02		ug/L		100	70 - 130	5	20
trans-1,3-Dichloropropene	5.00	4.30		ug/L		86	70 - 130	2	20
Trichloroethylene (TCE)	5.00	5.01		ug/L		100	70 - 130	7	20
Bromoethane	5.00	4.95		ug/L		99	70 - 130	6	20

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-178247/12
Matrix: Water
Analysis Batch: 178247

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane (Freon 11)	5.00	5.51		ug/L		110	70 - 130	3	20
Trichlorotrifluoroethane	5.00	5.16		ug/L		103	70 - 130	6	20
Diisopropyl ether	5.00	4.75		ug/L		95	70 - 130	4	20
Vinyl Chloride (VC)	5.00	5.55		ug/L		111	70 - 130	6	20
Xylenes, Total	15.0	15.4		ug/L		103	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MRL 380-178247/14
Matrix: Water
Analysis Batch: 178247

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	0.370	J	ug/L		74	50 - 150
1,1,1-Trichloroethane	0.500	0.384	J	ug/L		77	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.458	J	ug/L		92	50 - 150
1,1,2-Trichloroethane	0.500	0.425	J	ug/L		85	50 - 150
1,1-Dichloroethane	0.500	0.463	J	ug/L		93	50 - 150
1,1-Dichlorethylene	0.500	0.503		ug/L		101	50 - 150
1,1-Dichloropropene	0.500	0.473	J	ug/L		95	50 - 150
1,2,3-Trichlorobenzene	0.500	0.845	^3+	ug/L		169	50 - 150
1,2,3-Trichloropropane	0.500	0.482	J	ug/L		96	50 - 150
1,2,4-Trichlorobenzene	0.500	0.696		ug/L		139	50 - 150
1,2,4-Trimethylbenzene	0.500	0.461	J	ug/L		92	50 - 150
1,2-Dichloroethane	0.500	0.468	J	ug/L		94	50 - 150
1,2-Dichloropropane	0.500	0.435	J	ug/L		87	50 - 150
1,3,5-Trimethylbenzene	0.500	0.472	J	ug/L		94	50 - 150
1,3-Dichloropropane	0.500	0.436	J	ug/L		87	50 - 150
2,2-Dichloropropane	0.500	0.423	J	ug/L		85	50 - 150
2-Butanone (MEK)	5.00	5.58		ug/L		112	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	5.66		ug/L		113	50 - 150
Acetone	5.00	6.82	J	ug/L		136	50 - 150
Benzene	0.500	0.480	J	ug/L		96	50 - 150
Bromobenzene	0.500	0.471	J	ug/L		94	50 - 150
Bromochloromethane	0.500	0.441	J	ug/L		88	50 - 150
Bromodichloromethane	0.500	0.466	J	ug/L		93	50 - 150
Bromoform	0.500	0.474	J	ug/L		95	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.517		ug/L		103	50 - 150
Carbon disulfide	0.500	0.473	J	ug/L		95	50 - 150
Carbon tetrachloride	0.500	0.470	J	ug/L		94	50 - 150
Chlorobenzene	0.500	0.456	J	ug/L		91	50 - 150
Chlorodibromomethane	0.500	0.346	J	ug/L		69	50 - 150
cis-1,3-Dichloropropene	0.500	0.484	J	ug/L		97	50 - 150
Dichloromethane	0.500	0.448	J	ug/L		90	50 - 150
Ethylbenzene	0.500	0.475	J	ug/L		95	50 - 150

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QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-178247/14
Matrix: Water
Analysis Batch: 178247

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobutadiene	0.500	1.03	^3+	ug/L		206	50 - 150
Isopropylbenzene	0.500	0.476	J	ug/L		95	50 - 150
m,p-Xylenes	1.00	0.939		ug/L		94	50 - 150
m-Dichlorobenzene (1,3-DCB)	0.500	0.482	J	ug/L		96	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.560		ug/L		112	50 - 150
Naphthalene	0.500	0.742		ug/L		148	50 - 150
n-Butylbenzene	0.500	0.535		ug/L		107	50 - 150
N-Propylbenzene	0.500	0.474	J	ug/L		95	50 - 150
o-Chlorotoluene	0.500	0.475	J	ug/L		95	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.527		ug/L		105	50 - 150
o-Xylene	0.500	0.456	J	ug/L		91	50 - 150
p-Chlorotoluene	0.500	0.463	J	ug/L		93	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.499	J	ug/L		100	50 - 150
p-Isopropyltoluene	0.500	0.504		ug/L		101	50 - 150
sec-Butylbenzene	0.500	0.528		ug/L		106	50 - 150
Styrene	0.500	0.419	J	ug/L		84	50 - 150
Tert-amyl methyl ether	0.500	0.568	J	ug/L		114	50 - 150
1,3-Dichloropropene, Total	1.00	0.843		ug/L		84	50 - 150
Tert-butyl ethyl ether	0.500	0.552	J	ug/L		110	50 - 150
tert-Butylbenzene	0.500	0.522		ug/L		104	50 - 150
Tetrachloroethene (PCE)	0.500	0.472	J	ug/L		94	50 - 150
Toluene	0.500	0.469	J	ug/L		94	50 - 150
trans-1,2-Dichloroethylene	0.500	0.430	J	ug/L		86	50 - 150
trans-1,3-Dichloropropene	0.500	0.359	J	ug/L		72	50 - 150
Trichloroethylene (TCE)	0.500	0.427	J	ug/L		85	50 - 150
Bromoethane	0.500	0.578		ug/L		116	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.454	J	ug/L		91	50 - 150
Trichlorotrifluoroethane	0.500	0.525		ug/L		105	50 - 150
Diisopropyl ether	0.500	0.536	J	ug/L		107	50 - 150
Vinyl Chloride (VC)	0.500	0.486		ug/L		97	50 - 150
Xylenes, Total	1.50	1.40		ug/L		93	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Toluene-d8 (Surr)	99		70 - 130

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

Lab Sample ID: MB 380-178571/18-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178571

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
2,4'-DDE	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
2,4'-DDT	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 380-178571/18-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178571

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
2,6-Dinitrotoluene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
4,4'-DDD	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
4,4'-DDE	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
4,4'-DDT	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Acenaphthene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Acenaphthylene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Acetochlor	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Alachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
alpha-BHC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
alpha-Chlordane	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Anthracene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:16	1
Atrazine	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:16	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:16	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:16	1
beta-BHC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/08/25 15:24	10/09/25 14:16	1
Aldrin	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Bromacil	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Butachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Butylbenzylphthalate	<0.49		0.49	ug/L		10/08/25 15:24	10/09/25 14:16	1
Chlorobenzilate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Chloroneb	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Chlorpyrifos	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Chrysene	<0.020		0.020	ug/L		10/08/25 15:24	10/09/25 14:16	1
delta-BHC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/08/25 15:24	10/09/25 14:16	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Dieldrin	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Diethylphthalate	<0.49		0.49	ug/L		10/08/25 15:24	10/09/25 14:16	1
Dimethylphthalate	<0.49		0.49	ug/L		10/08/25 15:24	10/09/25 14:16	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		10/08/25 15:24	10/09/25 14:16	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Endosulfan sulfate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Endrin	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Endrin aldehyde	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
EPTC	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Fluoranthene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Fluorene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:16	1
gamma-Chlordane	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Heptachlor	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		10/08/25 15:24	10/09/25 14:16	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 380-178571/18-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178571

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Isophorone	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Malathion	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Methoxychlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Metolachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Molinate	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Naphthalene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Parathion	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Phenanthrene	<0.039		0.039	ug/L		10/08/25 15:24	10/09/25 14:16	1
Propachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Pyrene	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Simazine	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Terbacil	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Terbutylazine	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Thiobencarb	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/08/25 15:24	10/09/25 14:16	1
trans-Nonachlor	<0.049		0.049	ug/L		10/08/25 15:24	10/09/25 14:16	1
Trifluralin	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
1-Methylnaphthalene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1
2-Methylnaphthalene	<0.098		0.098	ug/L		10/08/25 15:24	10/09/25 14:16	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Decane	2.07	T J N	ug/L		2.74	124-18-5	10/08/25 15:24	10/09/25 14:16	1
9-Octadecenamide, (Z)-	2.86	T J N	ug/L		7.82	301-02-0	10/08/25 15:24	10/09/25 14:16	1
13-Docosenamide, (Z)-	1.01	T J N	ug/L		10.34	112-84-5	10/08/25 15:24	10/09/25 14:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	100		70 - 130	10/08/25 15:24	10/09/25 14:16	1
Perylene-d12	94		70 - 130	10/08/25 15:24	10/09/25 14:16	1
Triphenylphosphate	108		70 - 130	10/08/25 15:24	10/09/25 14:16	1

Lab Sample ID: LCS 380-178571/20-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4'-DDD	1.97	2.10		ug/L		106	70 - 130
2,4'-DDE	1.97	2.19		ug/L		111	70 - 130
2,4'-DDT	1.97	1.98		ug/L		101	70 - 130
2,4-Dinitrotoluene	1.97	1.80		ug/L		91	70 - 130
2,6-Dinitrotoluene	1.97	1.86		ug/L		94	70 - 130
4,4'-DDD	1.97	2.08		ug/L		106	70 - 130
4,4'-DDE	1.97	2.08		ug/L		106	70 - 130
4,4'-DDT	1.97	2.01		ug/L		102	70 - 130
Acenaphthene	1.97	2.02		ug/L		103	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCS 380-178571/20-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	1.97	1.87		ug/L		95	70 - 130
Acetochlor	1.97	2.12		ug/L		107	70 - 130
Alachlor	1.97	2.19		ug/L		111	70 - 130
alpha-BHC	1.97	2.08		ug/L		106	70 - 130
alpha-Chlordane	1.97	2.12		ug/L		107	70 - 130
Anthracene	1.97	1.99		ug/L		101	70 - 130
Atrazine	1.97	2.18		ug/L		111	70 - 130
Benz(a)anthracene	1.97	2.20		ug/L		112	70 - 130
Benzo[a]pyrene	1.97	2.23		ug/L		113	70 - 130
Benzo[b]fluoranthene	1.97	2.13		ug/L		108	70 - 130
Benzo[g,h,i]perylene	1.97	2.10		ug/L		107	70 - 130
Benzo[k]fluoranthene	1.97	2.08		ug/L		106	70 - 130
beta-BHC	1.97	2.09		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.00		ug/L		102	70 - 130
Aldrin	1.97	1.67		ug/L		85	70 - 130
Bromacil	1.97	2.03		ug/L		103	70 - 130
Butachlor	1.97	2.16		ug/L		110	70 - 130
Butylbenzylphthalate	1.97	2.43		ug/L		123	70 - 130
Chlorobenzilate	1.97	2.14		ug/L		109	70 - 130
Chloroneb	1.97	2.07		ug/L		105	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.09		ug/L		106	70 - 130
Chlorpyrifos	1.97	2.16		ug/L		110	70 - 130
Chrysene	1.97	2.00		ug/L		102	70 - 130
delta-BHC	1.97	2.05		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.21		ug/L		112	70 - 130
Dibenz(a,h)anthracene	1.97	2.12		ug/L		107	70 - 130
Diclorvos (DDVP)	1.97	2.13		ug/L		108	70 - 130
Dieldrin	1.97	2.17		ug/L		110	70 - 130
Diethylphthalate	1.97	2.22		ug/L		113	70 - 130
Dimethylphthalate	1.97	2.18		ug/L		111	70 - 130
Di-n-butyl phthalate	3.94	4.65		ug/L		118	70 - 130
Di-n-octyl phthalate	1.97	1.93		ug/L		98	70 - 130
Endosulfan I (Alpha)	1.97	2.05		ug/L		104	70 - 130
Endosulfan II (Beta)	1.97	2.14		ug/L		109	70 - 130
Endosulfan sulfate	1.97	2.16		ug/L		110	70 - 130
Endrin	1.97	2.25		ug/L		114	70 - 130
Endrin aldehyde	1.97	2.12		ug/L		108	60 - 130
EPTC	1.97	2.21		ug/L		112	70 - 130
Fluoranthene	1.97	2.14		ug/L		109	70 - 130
Fluorene	1.97	2.13		ug/L		108	70 - 130
gamma-BHC (Lindane)	1.97	2.17		ug/L		110	70 - 130
gamma-Chlordane	1.97	2.05		ug/L		104	70 - 130
Heptachlor	1.97	2.18		ug/L		111	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.27		ug/L		115	70 - 130
Hexachlorobenzene	1.97	2.05		ug/L		104	70 - 130
Hexachlorocyclopentadiene	1.97	2.02		ug/L		103	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.04		ug/L		104	70 - 130
Isophorone	1.97	2.02		ug/L		103	70 - 130
Malathion	1.97	2.11		ug/L		107	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCS 380-178571/20-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methoxychlor	1.97	2.04		ug/L		103	70 - 130
Metolachlor	1.97	2.06		ug/L		105	70 - 130
Molinate	1.97	2.18		ug/L		111	70 - 130
Naphthalene	1.97	1.97		ug/L		100	70 - 130
Parathion	1.97	2.02		ug/L		103	70 - 130
Pendimethalin (Penoxaline)	1.97	1.95		ug/L		99	70 - 130
Phenanthrene	1.97	2.02		ug/L		102	70 - 130
Propachlor	1.97	2.25		ug/L		114	70 - 130
Pyrene	1.97	2.06		ug/L		105	70 - 130
Simazine	1.97	2.11		ug/L		107	70 - 130
Terbacil	1.97	2.06		ug/L		104	70 - 130
Terbutylazine	1.97	2.22		ug/L		113	70 - 130
Thiobencarb	1.97	2.04		ug/L		104	70 - 130
trans-Nonachlor	1.97	2.11		ug/L		107	70 - 130
Trifluralin	1.97	1.99		ug/L		101	70 - 130
1-Methylnaphthalene	1.97	1.94		ug/L		99	70 - 130
2-Methylnaphthalene	1.97	1.98		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	116		70 - 130

Lab Sample ID: LCSD 380-178571/21-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4'-DDD	1.96	2.04		ug/L		104	70 - 130	2	20
2,4'-DDE	1.96	2.18		ug/L		111	70 - 130	1	20
2,4'-DDT	1.96	2.03		ug/L		104	70 - 130	2	20
2,4-Dinitrotoluene	1.96	1.87		ug/L		95	70 - 130	4	20
2,6-Dinitrotoluene	1.96	1.87		ug/L		95	70 - 130	0	20
4,4'-DDD	1.96	2.08		ug/L		106	70 - 130	0	20
4,4'-DDE	1.96	2.07		ug/L		106	70 - 130	0	20
4,4'-DDT	1.96	2.02		ug/L		103	70 - 130	0	20
Acenaphthene	1.96	1.99		ug/L		101	70 - 130	2	20
Acenaphthylene	1.96	1.75		ug/L		89	70 - 130	7	20
Acetochlor	1.96	2.07		ug/L		106	70 - 130	2	20
Alachlor	1.96	2.21		ug/L		113	70 - 130	1	20
alpha-BHC	1.96	2.02		ug/L		103	70 - 130	3	20
alpha-Chlordane	1.96	2.13		ug/L		109	70 - 130	1	20
Anthracene	1.96	1.94		ug/L		99	70 - 130	3	20
Atrazine	1.96	2.05		ug/L		105	70 - 130	6	20
Benz(a)anthracene	1.96	2.16		ug/L		110	70 - 130	2	20
Benzo[a]pyrene	1.96	2.23		ug/L		114	70 - 130	0	20
Benzo[b]fluoranthene	1.96	2.16		ug/L		110	70 - 130	1	20
Benzo[g,h,i]perylene	1.96	2.11		ug/L		108	70 - 130	0	20

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-178571/21-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzo[k]fluoranthene	1.96	2.08		ug/L		106	70 - 130	0	20	
beta-BHC	1.96	2.06		ug/L		105	70 - 130	2	20	
Bis(2-ethylhexyl) phthalate	1.96	1.99		ug/L		102	70 - 130	0	20	
Aldrin	1.96	1.58		ug/L		80	70 - 130	6	20	
Bromacil	1.96	2.04		ug/L		104	70 - 130	0	20	
Butachlor	1.96	2.11		ug/L		108	70 - 130	2	20	
Butylbenzylphthalate	1.96	2.41		ug/L		123	70 - 130	1	20	
Chlorobenzilate	1.96	2.08		ug/L		106	70 - 130	3	20	
Chloroneb	1.96	2.02		ug/L		103	70 - 130	2	20	
Chlorothalonil (Draconil, Bravo)	1.96	2.08		ug/L		106	70 - 130	0	20	
Chlorpyrifos	1.96	2.12		ug/L		108	70 - 130	2	20	
Chrysene	1.96	2.00		ug/L		102	70 - 130	0	20	
delta-BHC	1.96	1.97		ug/L		100	70 - 130	4	20	
Di(2-ethylhexyl)adipate	1.96	2.19		ug/L		112	70 - 130	1	20	
Dibenz(a,h)anthracene	1.96	2.00		ug/L		102	70 - 130	6	20	
Diclorvos (DDVP)	1.96	2.06		ug/L		105	70 - 130	3	20	
Dieldrin	1.96	2.12		ug/L		108	70 - 130	2	20	
Diethylphthalate	1.96	2.16		ug/L		110	70 - 130	3	20	
Dimethylphthalate	1.96	2.11		ug/L		108	70 - 130	3	20	
Di-n-butyl phthalate	3.92	4.62		ug/L		118	70 - 130	1	20	
Di-n-octyl phthalate	1.96	1.92		ug/L		98	70 - 130	1	20	
Endosulfan I (Alpha)	1.96	2.05		ug/L		105	70 - 130	0	20	
Endosulfan II (Beta)	1.96	2.12		ug/L		108	70 - 130	1	20	
Endosulfan sulfate	1.96	2.14		ug/L		109	70 - 130	1	20	
Endrin	1.96	2.20		ug/L		112	70 - 130	2	20	
Endrin aldehyde	1.96	2.08		ug/L		106	60 - 130	2	20	
EPTC	1.96	2.14		ug/L		109	70 - 130	3	20	
Fluoranthene	1.96	2.15		ug/L		109	70 - 130	0	20	
Fluorene	1.96	2.14		ug/L		109	70 - 130	0	20	
gamma-BHC (Lindane)	1.96	2.17		ug/L		111	70 - 130	0	20	
gamma-Chlordane	1.96	2.07		ug/L		106	70 - 130	1	20	
Heptachlor	1.96	2.17		ug/L		111	70 - 130	1	20	
Heptachlor epoxide (isomer B)	1.96	2.24		ug/L		114	70 - 130	1	20	
Hexachlorobenzene	1.96	2.02		ug/L		103	70 - 130	1	20	
Hexachlorocyclopentadiene	1.96	2.02		ug/L		103	70 - 130	0	20	
Indeno[1,2,3-cd]pyrene	1.96	2.07		ug/L		105	70 - 130	1	20	
Isophorone	1.96	1.95		ug/L		100	70 - 130	3	20	
Malathion	1.96	2.07		ug/L		105	70 - 130	2	20	
Methoxychlor	1.96	2.00		ug/L		102	70 - 130	2	20	
Metolachlor	1.96	2.07		ug/L		106	70 - 130	0	20	
Molinate	1.96	2.14		ug/L		109	70 - 130	2	20	
Naphthalene	1.96	1.96		ug/L		100	70 - 130	1	20	
Parathion	1.96	2.05		ug/L		105	70 - 130	1	20	
Pendimethalin (Penoxaline)	1.96	2.02		ug/L		103	70 - 130	3	20	
Phenanthrene	1.96	2.02		ug/L		103	70 - 130	0	20	
Propachlor	1.96	2.18		ug/L		111	70 - 130	3	20	
Pyrene	1.96	2.06		ug/L		105	70 - 130	0	20	
Simazine	1.96	2.05		ug/L		104	70 - 130	3	20	
Terbacil	1.96	2.03		ug/L		103	70 - 130	1	20	

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-178571/21-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Terbutylazine	1.96	2.15		ug/L		109	70 - 130	3	20
Thiobencarb	1.96	2.02		ug/L		103	70 - 130	1	20
trans-Nonachlor	1.96	2.14		ug/L		109	70 - 130	2	20
Trifluralin	1.96	2.00		ug/L		102	70 - 130	0	20
1-Methylnaphthalene	1.96	1.91		ug/L		97	70 - 130	2	20
2-Methylnaphthalene	1.96	1.94		ug/L		99	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	99		70 - 130
Triphenylphosphate	113		70 - 130

Lab Sample ID: MRL 380-178571/19-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0983	0.0947	J	ug/L		96	50 - 150
2,4'-DDE	0.0983	0.102		ug/L		104	50 - 150
2,4'-DDT	0.0983	0.104		ug/L		106	50 - 150
2,4-Dinitrotoluene	0.0983	0.0989		ug/L		101	50 - 150
2,6-Dinitrotoluene	0.0983	0.112		ug/L		114	50 - 150
4,4'-DDD	0.0983	0.111		ug/L		113	50 - 150
4,4'-DDE	0.0983	0.109		ug/L		111	50 - 150
4,4'-DDT	0.0983	0.111		ug/L		113	50 - 150
Acenaphthene	0.0983	0.0915	J	ug/L		93	50 - 150
Acenaphthylene	0.0983	0.0864	J	ug/L		88	50 - 150
Acetochlor	0.0983	0.111		ug/L		113	50 - 150
Alachlor	0.0491	0.0538		ug/L		109	50 - 150
alpha-BHC	0.0983	0.0983		ug/L		100	50 - 150
alpha-Chlordane	0.0246	0.0361	J	ug/L		147	50 - 150
Anthracene	0.0197	0.0222		ug/L		113	50 - 150
Atrazine	0.0491	0.0698		ug/L		142	50 - 150
Benz(a)anthracene	0.0491	0.0555		ug/L		113	50 - 150
Benzo[a]pyrene	0.0197	0.0199	J	ug/L		101	50 - 150
Benzo[b]fluoranthene	0.0197	0.0241		ug/L		123	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0591		ug/L		120	50 - 150
Benzo[k]fluoranthene	0.0197	0.0236		ug/L		120	50 - 150
beta-BHC	0.0983	0.104		ug/L		106	50 - 150
Bis(2-ethylhexyl) phthalate	0.590	0.571	J	ug/L		97	50 - 150
Aldrin	0.00983	<0.0098		ug/L		92	50 - 150
Bromacil	0.0983	0.125		ug/L		127	50 - 150
Butachlor	0.0491	0.0724		ug/L		147	50 - 150
Butylbenzylphthalate	0.491	0.639		ug/L		130	50 - 150
Chlorobenzilate	0.0983	0.105		ug/L		107	50 - 150
Chloroneb	0.0983	0.100		ug/L		102	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0983	0.108		ug/L		110	50 - 150
Chlorpyrifos	0.0491	0.0563		ug/L		115	50 - 150

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-178571/19-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	0.0197	0.0209		ug/L		107	50 - 150
delta-BHC	0.0983	0.0949	J	ug/L		97	50 - 150
Di(2-ethylhexyl)adipate	0.590	0.633		ug/L		107	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0645		ug/L		131	50 - 150
Diclorvos (DDVP)	0.0491	0.0551		ug/L		112	50 - 150
Dieldrin	0.00983	0.0145		ug/L		148	50 - 150
Diethylphthalate	0.491	0.517		ug/L		105	50 - 150
Dimethylphthalate	0.491	0.518		ug/L		105	50 - 150
Di-n-butyl phthalate	0.491	0.691	J	ug/L		141	49 - 243
Di-n-octyl phthalate	0.0983	0.0953	J	ug/L		97	50 - 150
Endosulfan I (Alpha)	0.0983	0.0784	J	ug/L		80	50 - 150
Endosulfan II (Beta)	0.0983	0.109		ug/L		110	50 - 150
Endosulfan sulfate	0.0983	0.110		ug/L		112	50 - 150
Endrin	0.00983	0.0122		ug/L		124	50 - 150
Endrin aldehyde	0.0983	0.126		ug/L		128	50 - 150
EPTC	0.0983	0.102		ug/L		104	50 - 150
Fluoranthene	0.0983	0.105		ug/L		106	50 - 150
Fluorene	0.0491	0.0506		ug/L		103	50 - 150
gamma-BHC (Lindane)	0.00983	0.0113		ug/L		115	50 - 150
gamma-Chlordane	0.0246	0.0360	J	ug/L		147	50 - 150
Heptachlor	0.00983	0.0129		ug/L		132	50 - 150
Heptachlor epoxide (isomer B)	0.00983	0.0116		ug/L		118	50 - 150
Hexachlorobenzene	0.0491	0.0493		ug/L		100	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0523		ug/L		106	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0709		ug/L		144	50 - 150
Isophorone	0.0983	0.113		ug/L		115	50 - 150
Malathion	0.0983	0.108		ug/L		109	50 - 150
Methoxychlor	0.0491	0.0684		ug/L		139	50 - 150
Metolachlor	0.0491	0.0599		ug/L		122	50 - 150
Molinate	0.0983	0.0993		ug/L		101	50 - 150
Naphthalene	0.0983	0.105		ug/L		107	50 - 150
Parathion	0.0983	0.0927	J	ug/L		94	50 - 150
Pendimethalin (Penoxaline)	0.0983	0.0950	J	ug/L		97	50 - 150
Phenanthrene	0.0393	0.0414		ug/L		105	50 - 150
Propachlor	0.0491	0.0530		ug/L		108	50 - 150
Pyrene	0.0491	0.0538		ug/L		110	50 - 150
Simazine	0.0491	0.0613		ug/L		125	50 - 150
Terbacil	0.0983	0.104		ug/L		106	50 - 150
Terbutylazine	0.0983	0.114		ug/L		116	50 - 150
Thiobencarb	0.0983	0.110		ug/L		112	50 - 150
trans-Nonachlor	0.0246	0.0366	J	ug/L		149	50 - 150
Trifluralin	0.0983	0.103		ug/L		105	50 - 150
1-Methylnaphthalene	0.0983	0.106		ug/L		108	50 - 150
2-Methylnaphthalene	0.0983	0.0999		ug/L		102	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	90		70 - 130

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-178571/19-A
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178571

<i>Surrogate</i>	<i>MRL</i>	<i>MRL</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
<i>Triphenylphosphate</i>	110		70 - 130

Lab Sample ID: 380-174241-Q-1-A MS
Matrix: Water
Analysis Batch: 178764

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
Result	Qualifier	Added	Result	Qualifier					
2,4'-DDD		1.96	2.06		ug/L		105	70 - 130	
2,4'-DDE		1.96	2.18		ug/L		111	70 - 130	
2,4'-DDT		1.96	1.99		ug/L		102	70 - 130	
2,4-Dinitrotoluene		1.96	1.95		ug/L		99	70 - 130	
2,6-Dinitrotoluene		1.96	1.98		ug/L		101	70 - 130	
4,4'-DDD		1.96	2.05		ug/L		105	70 - 130	
4,4'-DDE		1.96	2.05		ug/L		105	70 - 130	
4,4'-DDT		1.96	2.02		ug/L		103	70 - 130	
Acenaphthene		1.96	2.03		ug/L		104	70 - 130	
Acenaphthylene		1.96	1.73		ug/L		89	70 - 130	
Acetochlor		1.96	2.03		ug/L		104	70 - 130	
Alachlor		1.96	2.18		ug/L		112	70 - 130	
alpha-BHC		1.96	2.06		ug/L		105	70 - 130	
alpha-Chlordane		1.96	2.13		ug/L		109	70 - 130	
Anthracene	F1	1.96	0.890	F1	ug/L		45	70 - 130	
Atrazine		1.96	2.11		ug/L		108	70 - 130	
Benz(a)anthracene		1.96	1.97		ug/L		101	70 - 130	
Benzo[a]pyrene		1.96	1.83		ug/L		93	70 - 130	
Benzo[b]fluoranthene		1.96	2.22		ug/L		113	70 - 130	
Benzo[g,h,i]perylene		1.96	2.11		ug/L		108	70 - 130	
Benzo[k]fluoranthene		1.96	2.08		ug/L		106	70 - 130	
beta-BHC		1.96	2.10		ug/L		107	70 - 130	
Bis(2-ethylhexyl) phthalate		1.96	1.96		ug/L		100	70 - 130	
Aldrin		1.96	1.49		ug/L		76	70 - 130	
Bromacil		1.96	2.06		ug/L		105	70 - 130	
Butachlor		1.96	2.11		ug/L		108	70 - 130	
Butylbenzylphthalate		1.96	2.41		ug/L		123	70 - 130	
Chlorobenzilate		1.96	2.10		ug/L		107	70 - 130	
Chloroneb		1.96	2.03		ug/L		104	70 - 130	
Chlorothalonil (Draconil, Bravo)		1.96	2.06		ug/L		105	70 - 130	
Chlorpyrifos		1.96	2.14		ug/L		110	70 - 130	
Chrysene		1.96	2.03		ug/L		104	70 - 130	
delta-BHC		1.96	1.98		ug/L		101	70 - 130	
Di(2-ethylhexyl)adipate		1.96	2.10		ug/L		107	70 - 130	
Dibenz(a,h)anthracene		1.96	2.12		ug/L		108	70 - 130	
Diclorvos (DDVP)		1.96	2.14		ug/L		109	70 - 130	
Dieldrin		1.96	2.15		ug/L		110	70 - 130	
Diethylphthalate		1.96	2.22		ug/L		113	70 - 130	
Dimethylphthalate		1.96	2.18		ug/L		111	70 - 130	
Di-n-butyl phthalate		3.92	4.62		ug/L		111	70 - 130	
Di-n-octyl phthalate		1.96	1.87		ug/L		95	70 - 130	

QC Sample Results

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: 380-174679-1 DU
Matrix: Drinking Water
Analysis Batch: 178764

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
2,4-Dinitrotoluene	<0.098		<0.099		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.099		ug/L		NC	20
4,4'-DDD	<0.098		<0.099		ug/L		NC	20
4,4'-DDE	<0.098		<0.099		ug/L		NC	20
4,4'-DDT	<0.098		<0.099		ug/L		NC	20
Acenaphthene	<0.098		<0.099		ug/L		NC	20
Acenaphthylene	<0.098		<0.099		ug/L		NC	20
Acetochlor	<0.098		<0.099		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.098		<0.099		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.098		<0.099		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.59		ug/L		NC	20
Aldrin	<0.0098		<0.0099		ug/L		NC	20
Bromacil	<0.098		<0.099		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.098		<0.099		ug/L		NC	20
Chloroneb	<0.098		<0.099		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.099		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.098		<0.099		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.59		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	0.011		0.0164	F5	ug/L		36	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.99		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.099		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.099		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.099		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.099		ug/L		NC	20
Endrin	<0.0098		<0.0099		ug/L		NC	20
Endrin aldehyde	<0.098		<0.099		ug/L		NC	20
EPTC	<0.098		<0.099		ug/L		NC	20
Fluoranthene	<0.098		<0.099		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-BHC (Lindane)	<0.0098		<0.0099		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0098		<0.0099		ug/L		NC	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: 380-174679-1 DU
Matrix: Drinking Water
Analysis Batch: 178764

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)
Prep Type: Total/NA
Prep Batch: 178571

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Heptachlor epoxide (isomer B)	<0.0098		<0.0099		ug/L		NC	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.098		<0.099		ug/L		NC	20
Malathion	<0.098		<0.099		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.098		<0.099		ug/L		NC	20
Naphthalene	<0.098		<0.099		ug/L		NC	20
Parathion	<0.098		<0.099		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.099		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.098		<0.099		ug/L		NC	20
Terbutylazine	<0.098		<0.099		ug/L		NC	20
Thiobencarb	<0.098		<0.099		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.20		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.098		<0.099		ug/L		NC	20
1-Methylnaphthalene	<0.098		<0.099		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.099		ug/L		NC	20

Surrogate	DU	DU	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	96		70 - 130
Triphenylphosphate	111		70 - 130

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

Lab Sample ID: MB 570-636448/1-A
Matrix: Water
Analysis Batch: 643083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636448

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L			N/A	10/07/25 05:00	10/20/25 09:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	68		33 - 139	10/07/25 05:00	10/20/25 09:12	1
2-Fluorobiphenyl (Surr)	92		33 - 126	10/07/25 05:00	10/20/25 09:12	1
2-Fluorophenol (Surr)	53		12 - 120	10/07/25 05:00	10/20/25 09:12	1
Nitrobenzene-d5 (Surr)	96		36 - 120	10/07/25 05:00	10/20/25 09:12	1
Phenol-d6 (Surr)	35		10 - 120	10/07/25 05:00	10/20/25 09:12	1
p-Terphenyl-d14 (Surr)	97		47 - 131	10/07/25 05:00	10/20/25 09:12	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 570-636448/1-A
Matrix: Water
Analysis Batch: 639157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636448

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
2-Chloronaphthalene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
2-Chlorophenol	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
2-Methylnaphthalene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
2-Methylphenol	<1.0		1.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
2-Nitroaniline	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
2-Nitrophenol	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
3/4-Methylphenol	<2.0		2.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
3-Nitroaniline	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
4-Chloroaniline	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
4-Nitroaniline	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
4-Nitrophenol	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
Acenaphthene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Acenaphthylene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Aniline	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Anthracene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzidine	<5.0		5.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzo[a]anthracene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzo[a]pyrene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzoic acid	<10		10	ug/L		10/07/25 05:00	10/12/25 06:45	1
Benzyl alcohol	<1.0		1.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Chrysene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Dibenzofuran	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Fluoranthene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Fluorene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Hexachloroethane	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Naphthalene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Nitrobenzene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Pentachlorophenol	<1.0		1.0	ug/L		10/07/25 05:00	10/12/25 06:45	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 570-636448/1-A
Matrix: Water
Analysis Batch: 639157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636448

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1
Phenol	<1.0		1.0	ug/L		10/07/25 05:00	10/12/25 06:45	1
Pyrene	<0.20		0.20	ug/L		10/07/25 05:00	10/12/25 06:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		28 - 127	10/07/25 05:00	10/12/25 06:45	1
2-Fluorobiphenyl (Surr)	88		31 - 120	10/07/25 05:00	10/12/25 06:45	1
2-Fluorophenol (Surr)	55		17 - 120	10/07/25 05:00	10/12/25 06:45	1
Nitrobenzene-d5 (Surr)	95		27 - 120	10/07/25 05:00	10/12/25 06:45	1
Phenol-d6 (Surr)	35		10 - 120	10/07/25 05:00	10/12/25 06:45	1
p-Terphenyl-d14 (Surr)	91		45 - 120	10/07/25 05:00	10/12/25 06:45	1

Lab Sample ID: LCS 570-636448/2-A
Matrix: Water
Analysis Batch: 639157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.2		ug/L		76	47 - 120
2,4,5-Trichlorophenol	20.0	20.4		ug/L		102	57 - 120
2,4,6-Trichlorophenol	20.0	19.1		ug/L		95	52 - 129
2,4-Dichlorophenol	20.0	15.8		ug/L		79	53 - 122
2,4-Dinitrophenol	20.0	19.8		ug/L		99	1 - 173
2,6-Dichlorophenol	20.0	15.6		ug/L		78	50 - 120
2-Chloronaphthalene	20.0	18.5		ug/L		92	65 - 120
2-Chlorophenol	20.0	18.7		ug/L		94	36 - 120
2-Methylnaphthalene	20.0	15.0		ug/L		75	43 - 120
2-Methylphenol	20.0	17.5		ug/L		87	46 - 120
2-Nitroaniline	20.0	19.1		ug/L		96	51 - 125
2-Nitrophenol	20.0	15.6		ug/L		78	45 - 167
3/4-Methylphenol	40.0	31.9		ug/L		80	29 - 120
3-Nitroaniline	20.0	19.0		ug/L		95	62 - 129
4,6-Dinitro-2-methylphenol	20.0	20.0		ug/L		100	53 - 130
4-Bromophenyl phenyl ether	20.0	16.7		ug/L		83	65 - 120
4-Chloro-3-methylphenol	20.0	15.7		ug/L		79	41 - 128
4-Chloroaniline	20.0	10.1	*-	ug/L		50	51 - 120
4-Chlorophenyl phenyl ether	20.0	18.0		ug/L		90	38 - 145
4-Nitroaniline	20.0	17.3		ug/L		86	64 - 129
4-Nitrophenol	20.0	9.32		ug/L		47	13 - 129
Acenaphthene	20.0	17.7		ug/L		89	60 - 132
Acenaphthylene	20.0	17.9		ug/L		90	54 - 126
Aniline	20.0	3.55	*-	ug/L		18	52 - 121
Anthracene	20.0	17.6		ug/L		88	43 - 120
Benzidine	20.0	<0.94	*-	ug/L		0.8	20 - 164
Benzo[a]anthracene	20.0	17.8		ug/L		89	42 - 133
Benzo[a]pyrene	20.0	18.3		ug/L		91	32 - 148
Benzo[b]fluoranthene	20.0	18.0		ug/L		90	42 - 140
Benzo[g,h,i]perylene	20.0	17.5		ug/L		87	1 - 195
Benzo[k]fluoranthene	20.0	18.0		ug/L		90	25 - 146

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCS 570-636448/2-A
Matrix: Water
Analysis Batch: 639157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzoic acid	20.0	9.63	J	ug/L		48	20 - 120
Benzyl alcohol	20.0	16.4		ug/L		82	44 - 122
Bis(2-chloroethoxy)methane	20.0	15.8		ug/L		79	49 - 165
Bis(2-chloroethyl)ether	20.0	19.0		ug/L		95	43 - 126
bis (2-Chloroisopropyl) ether	20.0	19.8		ug/L		99	63 - 139
Chrysene	20.0	18.1		ug/L		90	44 - 140
Dibenz(a,h)anthracene	20.0	18.3		ug/L		91	1 - 200
Dibenzofuran	20.0	18.0		ug/L		90	48 - 120
Fluoranthene	20.0	18.5		ug/L		93	43 - 121
Fluorene	20.0	18.1		ug/L		90	70 - 120
Hexachloroethane	20.0	17.1		ug/L		85	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	17.7		ug/L		89	1 - 151
Naphthalene	20.0	14.5		ug/L		73	36 - 120
Nitrobenzene	20.0	15.9		ug/L		79	54 - 158
N-Nitrosodi-n-propylamine	20.0	18.0		ug/L		90	14 - 198
N-Nitrosodiphenylamine	20.0	19.9		ug/L		100	65 - 133
Pentachlorophenol	20.0	18.4		ug/L		92	38 - 152
Phenanthrene	20.0	17.7		ug/L		89	65 - 120
Phenol	20.0	9.24		ug/L		46	17 - 120
Pyrene	20.0	18.7		ug/L		94	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	93		28 - 127
2-Fluorobiphenyl (Surr)	89		31 - 120
2-Fluorophenol (Surr)	66		17 - 120
Nitrobenzene-d5 (Surr)	81		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	93		45 - 120

Lab Sample ID: LCSD 570-636448/3-A
Matrix: Water
Analysis Batch: 639157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 636448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	2.52	*- *1	ug/L		13	47 - 120	143	20
2,4,5-Trichlorophenol	20.0	2.24	J *- *1	ug/L		11	57 - 120	160	20
2,4,6-Trichlorophenol	20.0	2.51	*- *1	ug/L		13	52 - 129	153	35
2,4-Dichlorophenol	20.0	2.54	*- *1	ug/L		13	53 - 122	145	30
2,4-Dinitrophenol	20.0	<2.6	*- *1	ug/L		0	1 - 173	200	79
2,6-Dichlorophenol	20.0	2.61	J *- *1	ug/L		13	50 - 120	143	20
2-Chloronaphthalene	20.0	2.58	*- *1	ug/L		13	65 - 120	151	15
2-Chlorophenol	20.0	2.56	*- *1	ug/L		13	36 - 120	152	37
2-Methylnaphthalene	20.0	2.49	*- *1	ug/L		12	43 - 120	143	20
2-Methylphenol	20.0	2.47	*- *1	ug/L		12	46 - 120	150	20
2-Nitroaniline	20.0	2.38	J *- *1	ug/L		12	51 - 125	156	20
2-Nitrophenol	20.0	2.61	J *- *1	ug/L		13	45 - 167	143	33
3/4-Methylphenol	40.0	4.31	*- *1	ug/L		11	29 - 120	152	20
3-Nitroaniline	20.0	1.71	J *- *1	ug/L		9	62 - 129	167	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 570-636448/3-A
Matrix: Water
Analysis Batch: 639157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 636448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD
									Limit
4,6-Dinitro-2-methylphenol	20.0	3.71	J * - *1	ug/L		19	53 - 130	138	122
4-Bromophenyl phenyl ether	20.0	2.47	* - *1	ug/L		12	65 - 120	148	26
4-Chloro-3-methylphenol	20.0	2.37	* - *1	ug/L		12	41 - 128	148	44
4-Chloroaniline	20.0	1.15	J * - *1	ug/L		6	51 - 120	159	20
4-Chlorophenyl phenyl ether	20.0	2.62	* - *1	ug/L		13	38 - 145	149	36
4-Nitroaniline	20.0	1.02	J * - *1	ug/L		5	64 - 129	178	20
4-Nitrophenol	20.0	<0.79	* - *1	ug/L		0	13 - 129	200	79
Acenaphthene	20.0	2.58	* - *1	ug/L		13	60 - 132	149	29
Acenaphthylene	20.0	2.62	* - *1	ug/L		13	54 - 126	149	45
Aniline	20.0	0.204	* - *1	ug/L		1	52 - 121	178	21
Anthracene	20.0	2.84	* - *1	ug/L		14	43 - 120	145	40
Benzidine	20.0	<0.94	* - *1	ug/L		0	20 - 164	200	30
Benzo[a]anthracene	20.0	2.50	* - *1	ug/L		12	42 - 133	151	32
Benzo[a]pyrene	20.0	2.62	* - *1	ug/L		13	32 - 148	150	43
Benzo[b]fluoranthene	20.0	2.41	* - *1	ug/L		12	42 - 140	153	43
Benzo[g,h,i]perylene	20.0	2.42	*1	ug/L		12	1 - 195	151	61
Benzo[k]fluoranthene	20.0	2.70	* - *1	ug/L		13	25 - 146	148	38
Benzoic acid	20.0	<3.9	* - *1	ug/L		0	20 - 120	200	30
Benzyl alcohol	20.0	1.90	* - *1	ug/L		9	44 - 122	159	20
Bis(2-chloroethoxy)methane	20.0	2.77	* - *1	ug/L		14	49 - 165	140	32
Bis(2-chloroethyl)ether	20.0	2.61	* - *1	ug/L		13	43 - 126	152	65
bis (2-Chloroisopropyl) ether	20.0	2.90	* - *1	ug/L		15	63 - 139	149	46
Chrysene	20.0	2.77	* - *1	ug/L		14	44 - 140	147	53
Dibenz(a,h)anthracene	20.0	2.42	*1	ug/L		12	1 - 200	153	75
Dibenzofuran	20.0	2.55	* - *1	ug/L		13	48 - 120	150	20
Fluoranthene	20.0	2.75	* - *1	ug/L		14	43 - 121	148	40
Fluorene	20.0	2.64	* - *1	ug/L		13	70 - 120	149	23
Hexachloroethane	20.0	2.48	* - *1	ug/L		12	55 - 120	149	32
Indeno[1,2,3-cd]pyrene	20.0	2.23	*1	ug/L		11	1 - 151	155	60
Naphthalene	20.0	2.52	* - *1	ug/L		13	36 - 120	141	39
Nitrobenzene	20.0	2.73	* - *1	ug/L		14	54 - 158	141	37
N-Nitrosodi-n-propylamine	20.0	2.76	*1	ug/L		14	14 - 198	147	52
N-Nitrosodiphenylamine	20.0	2.96	* - *1	ug/L		15	65 - 133	148	20
Pentachlorophenol	20.0	2.20	* - *1	ug/L		11	38 - 152	157	52
Phenanthrene	20.0	2.57	* - *1	ug/L		13	65 - 120	149	24
Phenol	20.0	1.22	* - *1	ug/L		6	17 - 120	153	39
Pyrene	20.0	2.80	* - *1	ug/L		14	70 - 120	148	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	13	S1-	28 - 127
2-Fluorobiphenyl (Surr)	13	S1-	31 - 120
2-Fluorophenol (Surr)	8	S1-	17 - 120
Nitrobenzene-d5 (Surr)	13	S1-	27 - 120
Phenol-d6 (Surr)	6	S1-	10 - 120
p-Terphenyl-d14 (Surr)	13	S1-	45 - 120

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 570-639227/6
Matrix: Water
Analysis Batch: 639227

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/12/25 12:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		38 - 134				10/12/25 12:20	1

Lab Sample ID: LCS 570-639227/4
Matrix: Water
Analysis Batch: 639227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	383		ug/L		96	78 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	91		38 - 134				

Lab Sample ID: LCSD 570-639227/5
Matrix: Water
Analysis Batch: 639227

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	400	395		ug/L		99	78 - 120	3	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		38 - 134						

Lab Sample ID: MRL 570-639227/3
Matrix: Water
Analysis Batch: 639227

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	<7.9		ug/L		71	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
4-Bromofluorobenzene (Surr)	90		38 - 134				

Lab Sample ID: 380-174167-C-1 MS
Matrix: Water
Analysis Batch: 639227

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	<10		400	369		ug/L		92	68 - 122
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		38 - 134						

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: 380-174167-C-1 MSD

Matrix: Water

Analysis Batch: 639227

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	393		ug/L		98	68 - 122	6	18
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	96		38 - 134								

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

Lab Sample ID: MBL 380-178036/4-A

Matrix: Water

Analysis Batch: 178243

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 178036

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		10/06/25 15:19	10/06/25 18:14	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		10/06/25 15:19	10/06/25 18:14	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		10/06/25 15:19	10/06/25 18:14	1
Surrogate	%Recovery	MBL Qualifier	MBL Limits	Prepared	Analyzed	Dil Fac		
1,2-Dibromopropane (Surr)	96		60 - 140	10/06/25 15:19	10/06/25 18:14	1		

Lab Sample ID: LCS 380-178036/29-A

Matrix: Water

Analysis Batch: 178243

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 178036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.200	0.208		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	0.200	0.195		ug/L		98	70 - 130
1,2-Dibromoethane	0.200	0.192		ug/L		96	70 - 130
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
1,2-Dibromopropane (Surr)	100		60 - 140				

Lab Sample ID: MRL 380-178036/2-A

Matrix: Water

Analysis Batch: 178243

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 178036

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0200	0.0196	J	ug/L		98	60 - 140
Surrogate	%Recovery	MRL Qualifier	MRL Limits				
1,2-Dibromopropane (Surr)	99		60 - 140				

Lab Sample ID: MRL 380-178036/3-A

Matrix: Water

Analysis Batch: 178243

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 178036

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0500	0.0561		ug/L		112	60 - 140

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-178036/3-A
Matrix: Water
Analysis Batch: 178243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178036

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0100	0.0109		ug/L		109	60 - 140
1,2-Dibromoethane	0.0100	0.00991	J	ug/L		99	60 - 140
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
1,2-Dibromopropane (Surr)	95		60 - 140				

Lab Sample ID: 110-2398-T-1-A MS
Matrix: Water
Analysis Batch: 178243

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 178036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	<0.020		1.26	1.15		ug/L		91	65 - 135
1,2-Dibromo-3-Chloropropane	<0.010		0.253	0.239		ug/L		95	65 - 135
1,2-Dibromoethane	<0.010		0.253	0.253		ug/L		100	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dibromopropane (Surr)	96		60 - 140						

Lab Sample ID: 380-174708-G-1-A DU
Matrix: Water
Analysis Batch: 178243

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 178036

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
Surrogate	DU %Recovery	DU Qualifier	Limits					
1,2-Dibromopropane (Surr)	104		60 - 140					

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-178176/3-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178176

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		10/07/25 10:43	10/07/25 12:58	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 12:58	1
PCB-1016	<0.070		0.070	ug/L		10/07/25 10:43	10/07/25 12:58	1
PCB-1221	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 12:58	1
PCB-1232	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 12:58	1
PCB-1242	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 12:58	1
PCB-1248	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 12:58	1
PCB-1254	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 12:58	1
PCB-1260	<0.070		0.070	ug/L		10/07/25 10:43	10/07/25 12:58	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		10/07/25 10:43	10/07/25 12:58	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MB 380-178176/3-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178176

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	109		70 - 130	10/07/25 10:43	10/07/25 12:58	1

Lab Sample ID: LCS 380-178176/28-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Toxaphene	2.50	2.93		ug/L		117	70 - 130

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

Lab Sample ID: LCS 380-178176/30-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chlordane (n.o.s.)	0.500	0.573		ug/L		115	70 - 130

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

Lab Sample ID: LCS 380-178176/31-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	0.500	0.540		ug/L		108	70 - 130
PCB-1260	0.500	0.527		ug/L		105	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	113		70 - 130

Lab Sample ID: LCSD 380-178176/29-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toxaphene	2.50	3.01		ug/L		120	70 - 130	2	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	120		70 - 130

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-178176/1-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	0.500	0.548		ug/L		110	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
<i>Tetrachloro-m-xylene</i>	106		70 - 130				

Lab Sample ID: MRL 380-178176/2-A
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	0.100	0.108		ug/L		108	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
<i>Tetrachloro-m-xylene</i>	107		70 - 130				

Lab Sample ID: 380-174393-CR-1-A MS
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.46	2.60		ug/L		105	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
<i>Tetrachloro-m-xylene</i>	105		70 - 130						

Lab Sample ID: 380-174393-CS-1-A MS
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.501	0.538		ug/L		107	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
<i>Tetrachloro-m-xylene</i>	112		70 - 130						

Lab Sample ID: 380-174567-F-1-A MS
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.50		2.50	2.86		ug/L		114	65 - 135
Surrogate	MS %Recovery	MS Qualifier	Limits						
<i>Tetrachloro-m-xylene</i>	114		70 - 130						

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: 380-174567-G-1-A MS
Matrix: Water
Analysis Batch: 178447

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 178176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.501	0.595		ug/L		119	65 - 135
Surrogate	%Recovery	MS Qualifier	MS Limits						
<i>Tetrachloro-m-xylene</i>	114		70 - 130						

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

Lab Sample ID: MB 570-636670/1-A
Matrix: Water
Analysis Batch: 639324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636670

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		10/07/25 09:55	10/13/25 02:39	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		10/07/25 09:55	10/13/25 02:39	1
C8-C18	<25		25	ug/L		10/07/25 09:55	10/13/25 02:39	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared		Analyzed	Dil Fac	
<i>n-Octacosane (Surr)</i>	99		60 - 130	10/07/25 09:55		10/13/25 02:39	1	

Lab Sample ID: LCS 570-636670/2-A
Matrix: Water
Analysis Batch: 639324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1680		ug/L		105	56 - 127
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits				
<i>n-Octacosane (Surr)</i>	94		60 - 130				

Lab Sample ID: LCSD 570-636670/3-A
Matrix: Water
Analysis Batch: 639324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 636670

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1920		ug/L		120	56 - 127	13	23
Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits						
<i>n-Octacosane (Surr)</i>	102		60 - 130						

Lab Sample ID: MRL 570-636670/4-A
Matrix: Water
Analysis Batch: 639324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636670

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0296		mg/L		148	50 - 150

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 570-636670/4-A
Matrix: Water
Analysis Batch: 639324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636670

Surrogate	MRL %Recovery	MRL Qualifier	Limits
<i>n</i> -Octacosane (Surr)	104		60 - 130

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

Lab Sample ID: MB 570-637626/3
Matrix: Water
Analysis Batch: 637626

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10		0.10	mg/L			10/08/25 20:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	86		54 - 120				10/08/25 20:21	1

Lab Sample ID: LCS 570-637626/5
Matrix: Water
Analysis Batch: 637626

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol	2.00	1.87		mg/L		94	78 - 131
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Hexafluoro-2-propanol (Surr)	91		54 - 120				

Lab Sample ID: LCSD 570-637626/6
Matrix: Water
Analysis Batch: 637626

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
Ethanol	2.00	1.90		mg/L		95	78 - 131	4	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	83		54 - 120						

Lab Sample ID: MRL 570-637626/4
Matrix: Water
Analysis Batch: 637626

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	0.101		mg/L		101	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
Hexafluoro-2-propanol (Surr)	102		54 - 120				

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: 570-249246-A-1 MS
Matrix: Water
Analysis Batch: 637626

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol	<0.10		2.00	2.29		mg/L		114	20 - 173
Surrogate	%Recovery	MS Qualifier	Limits						
Hexafluoro-2-propanol (Surr)	87		54 - 120						

Lab Sample ID: 570-249246-A-1 MSD
Matrix: Water
Analysis Batch: 637626

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethanol	<0.10		2.00	2.07		mg/L		104	20 - 173	6	21
Surrogate	%Recovery	MSD Qualifier	Limits								
Hexafluoro-2-propanol (Surr)	92	p	54 - 120								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-177866/4
Matrix: Water
Analysis Batch: 177866

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050	mg/L			10/03/25 13:32	1
Nitrite as N	<0.050		0.050	mg/L			10/03/25 13:32	1

Lab Sample ID: LCS 380-177866/6
Matrix: Water
Analysis Batch: 177866

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.48		mg/L		99	90 - 110
Nitrite as N	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: LCSD 380-177866/7
Matrix: Water
Analysis Batch: 177866

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.50	2.49		mg/L		100	90 - 110	0	20
Nitrite as N	1.00	1.02		mg/L		102	90 - 110	0	20

Lab Sample ID: MRL 380-177866/5
Matrix: Water
Analysis Batch: 177866

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	0.0491	J	mg/L		98	50 - 150
Nitrite as N	0.0500	0.0489	J	mg/L		98	50 - 150

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 380-174496-C-2 MS
Matrix: Water
Analysis Batch: 177866

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	25		6.25	30.9		mg/L		96	80 - 120
Nitrite as N	<0.25		2.50	2.38		mg/L		95	80 - 120

Lab Sample ID: 380-174496-C-2 MSD
Matrix: Water
Analysis Batch: 177866

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	25		6.25	31.0		mg/L		98	80 - 120	0	20
Nitrite as N	<0.25		2.50	2.38		mg/L		95	80 - 120	0	20

Lab Sample ID: MB 380-177867/4
Matrix: Water
Analysis Batch: 177867

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50	mg/L			10/03/25 13:32	1
Sulfate	<0.25		0.25	mg/L			10/03/25 13:32	1

Lab Sample ID: LCS 380-177867/6
Matrix: Water
Analysis Batch: 177867

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	24.8		mg/L		99	90 - 110
Sulfate	50.0	50.7		mg/L		101	90 - 110

Lab Sample ID: LCSD 380-177867/7
Matrix: Water
Analysis Batch: 177867

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.0	24.9		mg/L		99	90 - 110	0	20
Sulfate	50.0	50.8		mg/L		102	90 - 110	0	20

Lab Sample ID: MRL 380-177867/5
Matrix: Water
Analysis Batch: 177867

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.471	J	mg/L		94	50 - 150
Sulfate	0.250	0.278		mg/L		111	50 - 150

Lab Sample ID: 380-174496-C-2 MS
Matrix: Water
Analysis Batch: 177867

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	260	E	62.5	302	E 4	mg/L		69	80 - 120
Sulfate	590	E	125	702	E 4	mg/L		91	80 - 120

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 380-174496-C-2 MSD
Matrix: Water
Analysis Batch: 177867

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	260	E	62.5	303	E 4	mg/L		70	80 - 120	0	20
Sulfate	590	E	125	704	E 4	mg/L		93	80 - 120	0	20

Lab Sample ID: MB 380-178076/4
Matrix: Water
Analysis Batch: 178076

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050	mg/L			10/06/25 13:43	1
Nitrite as N	<0.050		0.050	mg/L			10/06/25 13:43	1

Lab Sample ID: LCS 380-178076/6
Matrix: Water
Analysis Batch: 178076

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	2.49		mg/L		100	90 - 110
Nitrite as N	1.00	0.959		mg/L		96	90 - 110

Lab Sample ID: LCSD 380-178076/7
Matrix: Water
Analysis Batch: 178076

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.50	2.50		mg/L		100	90 - 110	0	20
Nitrite as N	1.00	0.957		mg/L		96	90 - 110	0	20

Lab Sample ID: MRL 380-178076/5
Matrix: Water
Analysis Batch: 178076

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	0.0472	J	mg/L		94	50 - 150
Nitrite as N	0.0500	0.0455	J	mg/L		91	50 - 150

Lab Sample ID: 380-174917-E-1 MS
Matrix: Water
Analysis Batch: 178076

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	0.061		1.25	1.25		mg/L		95	80 - 120
Nitrite as N	<0.050		0.500	0.444		mg/L		89	80 - 120

Lab Sample ID: 380-174917-E-1 MSD
Matrix: Water
Analysis Batch: 178076

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.061		1.25	1.27		mg/L		97	80 - 120	1	20
Nitrite as N	<0.050		0.500	0.451		mg/L		90	80 - 120	2	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-178077/4
Matrix: Water
Analysis Batch: 178077

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50	mg/L			10/06/25 13:43	1
Sulfate	<0.25		0.25	mg/L			10/06/25 13:43	1

Lab Sample ID: LCS 380-178077/6
Matrix: Water
Analysis Batch: 178077

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	24.8		mg/L		99	90 - 110
Sulfate	50.0	50.8		mg/L		102	90 - 110

Lab Sample ID: LCSD 380-178077/7
Matrix: Water
Analysis Batch: 178077

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.0	24.9		mg/L		100	90 - 110	0	20
Sulfate	50.0	51.0		mg/L		102	90 - 110	0	20

Lab Sample ID: MRL 380-178077/5
Matrix: Water
Analysis Batch: 178077

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.471	J	mg/L		94	50 - 150
Sulfate	0.250	0.272		mg/L		109	50 - 150

Lab Sample ID: 380-174917-E-1 MS
Matrix: Water
Analysis Batch: 178077

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	27		12.5	38.0		mg/L		91	80 - 120
Sulfate	66		25.0	91.0		mg/L		101	80 - 120

Lab Sample ID: 380-174917-E-1 MSD
Matrix: Water
Analysis Batch: 178077

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	27		12.5	38.2		mg/L		93	80 - 120	1	20
Sulfate	66		25.0	91.4		mg/L		103	80 - 120	0	20

Lab Sample ID: MB 380-178103/13
Matrix: Water
Analysis Batch: 178103

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0	ug/L			10/06/25 20:12	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 380-178103/14
Matrix: Water
Analysis Batch: 178103

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

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

Lab Sample ID: LCSD 380-178103/15
Matrix: Water
Analysis Batch: 178103

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	100	97.9		ug/L		98	90 - 110	0	10

Lab Sample ID: MRL 380-178103/12
Matrix: Water
Analysis Batch: 178103

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	5.19		ug/L		104	75 - 125

Lab Sample ID: 380-174642-B-24 MS
Matrix: Water
Analysis Batch: 178103

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	14		50.0	63.2		ug/L		98	80 - 120

Lab Sample ID: 380-174642-B-24 MSD
Matrix: Water
Analysis Batch: 178103

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	14		50.0	63.7		ug/L		99	80 - 120	1	20

Lab Sample ID: MB 380-178300/6
Matrix: Water
Analysis Batch: 178300

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0	ug/L			10/07/25 15:01	1

Lab Sample ID: LCS 380-178300/7
Matrix: Water
Analysis Batch: 178300

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	98.0		ug/L		98	90 - 110

Lab Sample ID: LCSD 380-178300/8
Matrix: Water
Analysis Batch: 178300

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	100	98.6		ug/L		99	90 - 110	1	10

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MRL 380-178300/5
Matrix: Water
Analysis Batch: 178300

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	5.93		ug/L		119	75 - 125

Lab Sample ID: 380-175037-A-1 MS
Matrix: Water
Analysis Batch: 178300

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	49.7		ug/L		99	80 - 120

Lab Sample ID: 380-175037-A-1 MSD
Matrix: Water
Analysis Batch: 178300

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	49.5		ug/L		99	80 - 120	0	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-178181/136
Matrix: Water
Analysis Batch: 178181

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.031		0.10	mg/L			10/06/25 16:08	1
Magnesium	<0.0099		0.10	mg/L			10/06/25 16:08	1
Potassium	<0.044		0.10	mg/L			10/06/25 16:08	1
Sodium	<0.019		0.10	mg/L			10/06/25 16:08	1

Lab Sample ID: LCS 380-178181/138
Matrix: Water
Analysis Batch: 178181

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	51.7		mg/L		103	85 - 115
Magnesium	20.0	20.9		mg/L		105	85 - 115
Potassium	20.0	20.7		mg/L		104	85 - 115
Sodium	50.0	51.5		mg/L		103	85 - 115

Lab Sample ID: LCSD 380-178181/139
Matrix: Water
Analysis Batch: 178181

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	50.2		mg/L		100	85 - 115	3	20
Magnesium	20.0	20.3		mg/L		102	85 - 115	3	20
Potassium	20.0	20.2		mg/L		101	85 - 115	3	20
Sodium	50.0	50.3		mg/L		101	85 - 115	2	20

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LLCS 380-178181/137
Matrix: Water
Analysis Batch: 178181

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.100	0.0977	J	mg/L		98	50 - 150
Magnesium	0.100	0.104		mg/L		104	50 - 150
Potassium	0.100	0.116		mg/L		116	50 - 150
Sodium	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: 380-174665-D-1 MS
Matrix: Water
Analysis Batch: 178181

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	20		50.0	71.3		mg/L		103	70 - 130
Magnesium	5.4		20.0	26.4		mg/L		105	70 - 130
Potassium	1.5		20.0	22.4		mg/L		104	70 - 130
Sodium	8.3		50.0	60.2		mg/L		104	70 - 130

Lab Sample ID: 380-174665-D-1 MSD
Matrix: Water
Analysis Batch: 178181

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	20		50.0	68.1		mg/L		96	70 - 130	5	20
Magnesium	5.4		20.0	25.2		mg/L		99	70 - 130	5	20
Potassium	1.5		20.0	21.3		mg/L		99	70 - 130	5	20
Sodium	8.3		50.0	57.4		mg/L		98	70 - 130	5	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-178090/47
Matrix: Water
Analysis Batch: 178090

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.48		1.0	ug/L			10/06/25 14:11	1
Arsenic	<0.25		1.0	ug/L			10/06/25 14:11	1
Beryllium	<0.12		0.30	ug/L			10/06/25 14:11	1
Cadmium	<0.081		0.50	ug/L			10/06/25 14:11	1
Chromium	<0.33		0.90	ug/L			10/06/25 14:11	1
Copper	<0.28		1.0	ug/L			10/06/25 14:11	1
Lead	<0.084		0.50	ug/L			10/06/25 14:11	1
Nickel	<0.38		1.0	ug/L			10/06/25 14:11	1
Selenium	<0.25		2.0	ug/L			10/06/25 14:11	1
Silver	<0.30		0.50	ug/L			10/06/25 14:11	1
Thallium	<0.10		0.30	ug/L			10/06/25 14:11	1
Zinc	<1.3		5.0	ug/L			10/06/25 14:11	1

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCS 380-178090/49
Matrix: Water
Analysis Batch: 178090

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	50.1		ug/L		100	85 - 115
Arsenic	50.0	51.0		ug/L		102	85 - 115
Beryllium	50.0	48.2		ug/L		96	85 - 115
Cadmium	50.0	50.9		ug/L		102	85 - 115
Chromium	50.0	48.3		ug/L		97	85 - 115
Copper	50.0	49.9		ug/L		100	85 - 115
Lead	50.0	53.8		ug/L		108	85 - 115
Nickel	50.0	48.6		ug/L		97	85 - 115
Selenium	50.0	52.5		ug/L		105	85 - 115
Silver	50.0	50.3		ug/L		101	85 - 115
Thallium	50.0	53.2		ug/L		106	85 - 115
Zinc	50.0	49.7		ug/L		99	85 - 115

Lab Sample ID: LCSD 380-178090/50
Matrix: Water
Analysis Batch: 178090

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.0	50.3		ug/L		101	85 - 115	0	20
Arsenic	50.0	50.7		ug/L		101	85 - 115	1	20
Beryllium	50.0	48.2		ug/L		96	85 - 115	0	20
Cadmium	50.0	50.6		ug/L		101	85 - 115	1	20
Chromium	50.0	47.9		ug/L		96	85 - 115	1	20
Copper	50.0	49.7		ug/L		99	85 - 115	0	20
Lead	50.0	53.2		ug/L		106	85 - 115	1	20
Nickel	50.0	48.4		ug/L		97	85 - 115	0	20
Selenium	50.0	52.3		ug/L		105	85 - 115	0	20
Silver	50.0	50.4		ug/L		101	85 - 115	0	20
Thallium	50.0	52.6		ug/L		105	85 - 115	1	20
Zinc	50.0	51.8		ug/L		104	85 - 115	4	20

Lab Sample ID: LLCS 380-178090/48
Matrix: Water
Analysis Batch: 178090

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	1.01		ug/L		101	50 - 150
Arsenic	1.00	1.02		ug/L		102	50 - 150
Beryllium	0.300	0.294	J	ug/L		98	50 - 150
Cadmium	0.500	0.476	J	ug/L		95	50 - 150
Chromium	0.900	0.823	J	ug/L		91	50 - 150
Copper	1.00	1.01		ug/L		101	50 - 150
Lead	0.500	0.527		ug/L		105	50 - 150
Nickel	1.00	0.979	J	ug/L		98	50 - 150
Selenium	2.00	1.94	J	ug/L		97	50 - 150
Silver	0.500	0.517		ug/L		103	50 - 150
Thallium	0.300	0.313		ug/L		104	50 - 150
Zinc	5.00	5.12		ug/L		102	50 - 150

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: 380-174662-A-1 MS
Matrix: Water
Analysis Batch: 178090

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<1.0		50.0	52.9		ug/L		106	70 - 130
Arsenic	1.3		50.0	62.0		ug/L		121	70 - 130
Beryllium	<0.30		50.0	41.8		ug/L		84	70 - 130
Cadmium	<0.50		50.0	52.3		ug/L		105	70 - 130
Chromium	1.6		50.0	51.7		ug/L		100	70 - 130
Copper	<1.0		50.0	47.3		ug/L		94	70 - 130
Lead	<0.50		50.0	49.1		ug/L		98	70 - 130
Nickel	7.3		50.0	54.2		ug/L		94	70 - 130
Selenium	4.4	F1	50.0	69.7	F1	ug/L		131	70 - 130
Silver	<0.50		50.0	43.1		ug/L		86	70 - 130
Thallium	<0.30		50.0	49.5		ug/L		99	70 - 130
Zinc	<5.0		50.0	50.5		ug/L		101	70 - 130

Lab Sample ID: 380-174662-A-1 MSD
Matrix: Water
Analysis Batch: 178090

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<1.0		50.0	54.5		ug/L		109	70 - 130	3	20
Arsenic	1.3		50.0	62.0		ug/L		121	70 - 130	0	20
Beryllium	<0.30		50.0	43.5		ug/L		87	70 - 130	4	20
Cadmium	<0.50		50.0	52.7		ug/L		105	70 - 130	1	20
Chromium	1.6		50.0	52.1		ug/L		101	70 - 130	1	20
Copper	<1.0		50.0	47.7		ug/L		94	70 - 130	1	20
Lead	<0.50		50.0	50.1		ug/L		100	70 - 130	2	20
Nickel	7.3		50.0	54.5		ug/L		94	70 - 130	1	20
Selenium	4.4	F1	50.0	69.7	F1	ug/L		131	70 - 130	0	20
Silver	<0.50		50.0	43.7		ug/L		87	70 - 130	1	20
Thallium	<0.30		50.0	50.4		ug/L		101	70 - 130	2	20
Zinc	<5.0		50.0	50.9		ug/L		102	70 - 130	1	20

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-178091/47
Matrix: Water
Analysis Batch: 178091

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	ug/L			10/06/25 14:11	1

Lab Sample ID: LCS 380-178091/49
Matrix: Water
Analysis Batch: 178091

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

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

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-178091/50
Matrix: Water
Analysis Batch: 178091

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	1.00	1.05		ug/L		105	85 - 115	0	20

Lab Sample ID: LLCS 380-178091/48
Matrix: Water
Analysis Batch: 178091

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	0.211		ug/L		106	50 - 150		

Lab Sample ID: 380-174722-H-1 MS
Matrix: Water
Analysis Batch: 178091

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		1.00	1.14		ug/L		114	70 - 130		

Lab Sample ID: 380-174722-H-1 MSD
Matrix: Water
Analysis Batch: 178091

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.20		1.00	1.14		ug/L		114	70 - 130	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-178250/1
Matrix: Water
Analysis Batch: 178250

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.0		4.0	mg/L			10/06/25 16:43	1
Bicarbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			10/06/25 16:43	1
Carbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			10/06/25 16:43	1

Lab Sample ID: LCS 380-178250/4
Matrix: Water
Analysis Batch: 178250

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	94.9		mg/L		95	90 - 110		

Lab Sample ID: LCSD 380-178250/19
Matrix: Water
Analysis Batch: 178250

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	95.8		mg/L		96	90 - 110	1	20

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LLCS 380-178250/5
Matrix: Water
Analysis Batch: 178250

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	20.0	18.5		mg/L		93	90 - 110

Lab Sample ID: MRL 380-178250/3
Matrix: Water
Analysis Batch: 178250

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	4.00	3.46	J	mg/L		87	50 - 150

Lab Sample ID: 110-2398-P-1 MS
Matrix: Water
Analysis Batch: 178250

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	<4.0		100	98.0		mg/L		96	80 - 120

Lab Sample ID: 110-2398-P-1 MSD
Matrix: Water
Analysis Batch: 178250

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	<4.0		100	98.3		mg/L		97	80 - 120	0	20

Lab Sample ID: 110-2398-P-1 DU
Matrix: Water
Analysis Batch: 178250

Client Sample ID: Duplicate
Prep Type: Total/NA

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

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-178253/3
Matrix: Water
Analysis Batch: 178253

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<2.0		2.0	umhos/cm			10/06/25 16:43	1

Lab Sample ID: LCS 380-178253/5
Matrix: Water
Analysis Batch: 178253

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	1010		umhos/cm		101	90 - 110

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-178253/17
Matrix: Water
Analysis Batch: 178253

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	999		umhos/cm		100	90 - 110	1	10

Lab Sample ID: MRL 380-178253/4
Matrix: Water
Analysis Batch: 178253

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

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

Lab Sample ID: 110-2398-P-1 DU
Matrix: Water
Analysis Batch: 178253

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	6.5		6.40		umhos/cm		2	20

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

Lab Sample ID: MB 380-178278/1
Matrix: Water
Analysis Batch: 178278

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	mg/L			10/07/25 14:59	1

Lab Sample ID: HLCS 380-178278/5
Matrix: Water
Analysis Batch: 178278

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

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	700	680		mg/L		97	80 - 114		

Lab Sample ID: LCS 380-178278/4
Matrix: Water
Analysis Batch: 178278

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	175	156		mg/L		89	80 - 114		

Lab Sample ID: MRL 380-178278/2
Matrix: Water
Analysis Batch: 178278

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

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

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: MRL 380-178278/3
Matrix: Water
Analysis Batch: 178278

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	10.0	8.00	J	mg/L		80	50 - 150

Lab Sample ID: 380-174912-P-1 DU
Matrix: Water
Analysis Batch: 178278

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	500		492		mg/L		2	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-178767/6
Matrix: Water
Analysis Batch: 178767

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.050		0.050	mg/L			10/08/25 16:02	1

Lab Sample ID: LCS 380-178767/8
Matrix: Water
Analysis Batch: 178767

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

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

Lab Sample ID: LCSD 380-178767/9
Matrix: Water
Analysis Batch: 178767

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.00	1.03		mg/L		103	90 - 110	0	10

Lab Sample ID: MRL 380-178767/7
Matrix: Water
Analysis Batch: 178767

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	0.0504		mg/L		101	50 - 150

Lab Sample ID: 380-175072-A-1 MS
Matrix: Water
Analysis Batch: 178767

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	0.60		1.00	1.62		mg/L		102	80 - 120

QC Sample Results

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 380-175072-A-1 MSD
Matrix: Water
Analysis Batch: 178767

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.60		1.00	1.62		mg/L		102	80 - 120	0	20

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-178254/5
Matrix: Water
Analysis Batch: 178254

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.7			SU			10/06/25 16:43	1

Lab Sample ID: LCS 380-178254/6
Matrix: Water
Analysis Batch: 178254

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		101	98 - 102

Lab Sample ID: LCSD 380-178254/18
Matrix: Water
Analysis Batch: 178254

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		101	98 - 102	0	2

Lab Sample ID: 110-2398-P-1 DU
Matrix: Water
Analysis Batch: 178254

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.6		6.6		SU		0	2

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 380-178023/3
Matrix: Water
Analysis Batch: 178023

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.050		0.050	mg/L			10/06/25 13:07	1

Lab Sample ID: LCS 380-178023/5
Matrix: Water
Analysis Batch: 178023

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	0.274		mg/L		110	90 - 110

QC Sample Results

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

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

Lab Sample ID: LCSD 380-178023/6
Matrix: Water
Analysis Batch: 178023

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	0.271		mg/L		109	90 - 110	1	20

Lab Sample ID: MRL 380-178023/4
Matrix: Water
Analysis Batch: 178023

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	0.0500	0.0481	J	mg/L		96	50 - 150		

Lab Sample ID: 380-174635-H-1 MS
Matrix: Water
Analysis Batch: 178023

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.050		0.250	0.252		mg/L		101	80 - 120		

Lab Sample ID: 380-174635-H-1 MSD
Matrix: Water
Analysis Batch: 178023

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.050		0.250	0.257		mg/L		103	80 - 120	2	20

QC Association Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

GC/MS VOA

Analysis Batch: 177926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	524.2	
MB 380-177926/8	Method Blank	Total/NA	Water	524.2	
LCS 380-177926/5	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-177926/6	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-177926/3	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-177926/4	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 178247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	524.2	
MB 380-178247/15	Method Blank	Total/NA	Water	524.2	
LCS 380-178247/11	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-178247/12	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-178247/14	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 178328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	524.2	
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 178571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	
MB 380-178571/18-A	Method Blank	Total/NA	Water	525.2	
LCS 380-178571/20-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-178571/21-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-178571/19-A	Lab Control Sample	Total/NA	Water	525.2	
380-174241-Q-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-174679-1 DU	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	

Analysis Batch: 178764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	178571
MB 380-178571/18-A	Method Blank	Total/NA	Water	525.2	178571
LCS 380-178571/20-A	Lab Control Sample	Total/NA	Water	525.2	178571
LCSD 380-178571/21-A	Lab Control Sample Dup	Total/NA	Water	525.2	178571
MRL 380-178571/19-A	Lab Control Sample	Total/NA	Water	525.2	178571
380-174241-Q-1-A MS	Matrix Spike	Total/NA	Water	525.2	178571
380-174679-1 DU	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	178571

Prep Batch: 636448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	
MB 570-636448/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-636448/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-636448/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

QC Association Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

GC/MS Semi VOA

Analysis Batch: 639157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1 SIM	636448
MB 570-636448/1-A	Method Blank	Total/NA	Water	625.1 SIM	636448
LCS 570-636448/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	636448
LCSD 570-636448/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	636448

Analysis Batch: 643083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	636448
MB 570-636448/1-A	Method Blank	Total/NA	Water	625.1	636448

GC VOA

Analysis Batch: 639227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	8015B GRO LL	
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	8015B GRO LL	
MB 570-639227/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-639227/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-639227/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-639227/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-174167-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-174167-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 178036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	504.1	
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	504.1	
MBL 380-178036/4-A	Method Blank	Total/NA	Water	504.1	
LCS 380-178036/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-178036/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-178036/3-A	Lab Control Sample	Total/NA	Water	504.1	
110-2398-T-1-A MS	Matrix Spike	Total/NA	Water	504.1	
380-174708-G-1-A DU	Duplicate	Total/NA	Water	504.1	

Prep Batch: 178176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	505	
MB 380-178176/3-A	Method Blank	Total/NA	Water	505	
LCS 380-178176/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-178176/30-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-178176/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-178176/29-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-178176/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-178176/2-A	Lab Control Sample	Total/NA	Water	505	
380-174393-CR-1-A MS	Matrix Spike	Total/NA	Water	505	
380-174393-CS-1-A MS	Matrix Spike	Total/NA	Water	505	
380-174567-F-1-A MS	Matrix Spike	Total/NA	Water	505	
380-174567-G-1-A MS	Matrix Spike	Total/NA	Water	505	

QC Association Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

GC Semi VOA

Analysis Batch: 178243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	504.1	178036
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	504.1	178036
MBL 380-178036/4-A	Method Blank	Total/NA	Water	504.1	178036
LCS 380-178036/29-A	Lab Control Sample	Total/NA	Water	504.1	178036
MRL 380-178036/2-A	Lab Control Sample	Total/NA	Water	504.1	178036
MRL 380-178036/3-A	Lab Control Sample	Total/NA	Water	504.1	178036
110-2398-T-1-A MS	Matrix Spike	Total/NA	Water	504.1	178036
380-174708-G-1-A DU	Duplicate	Total/NA	Water	504.1	178036

Analysis Batch: 178447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	505	178176
MB 380-178176/3-A	Method Blank	Total/NA	Water	505	178176
LCS 380-178176/28-A	Lab Control Sample	Total/NA	Water	505	178176
LCS 380-178176/30-A	Lab Control Sample	Total/NA	Water	505	178176
LCS 380-178176/31-A	Lab Control Sample	Total/NA	Water	505	178176
LCSD 380-178176/29-A	Lab Control Sample Dup	Total/NA	Water	505	178176
MRL 380-178176/1-A	Lab Control Sample	Total/NA	Water	505	178176
MRL 380-178176/2-A	Lab Control Sample	Total/NA	Water	505	178176
380-174393-CR-1-A MS	Matrix Spike	Total/NA	Water	505	178176
380-174393-CS-1-A MS	Matrix Spike	Total/NA	Water	505	178176
380-174567-F-1-A MS	Matrix Spike	Total/NA	Water	505	178176
380-174567-G-1-A MS	Matrix Spike	Total/NA	Water	505	178176

Prep Batch: 636670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	3510C	
MB 570-636670/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-636670/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-636670/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-636670/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 637626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	8015B	
MB 570-637626/3	Method Blank	Total/NA	Water	8015B	
LCS 570-637626/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-637626/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-637626/4	Lab Control Sample	Total/NA	Water	8015B	
570-249246-A-1 MS	Matrix Spike	Total/NA	Water	8015B	
570-249246-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	

Analysis Batch: 639324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	8015B	636670
MB 570-636670/1-A	Method Blank	Total/NA	Water	8015B	636670
LCS 570-636670/2-A	Lab Control Sample	Total/NA	Water	8015B	636670
LCSD 570-636670/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	636670
MRL 570-636670/4-A	Lab Control Sample	Total/NA	Water	8015B	636670

QC Association Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

HPLC/IC

Analysis Batch: 177866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	300.0	
MB 380-177866/4	Method Blank	Total/NA	Water	300.0	
LCS 380-177866/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-177866/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-177866/5	Lab Control Sample	Total/NA	Water	300.0	
380-174496-C-2 MS	Matrix Spike	Total/NA	Water	300.0	
380-174496-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 177867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	300.0	
MB 380-177867/4	Method Blank	Total/NA	Water	300.0	
LCS 380-177867/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-177867/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-177867/5	Lab Control Sample	Total/NA	Water	300.0	
380-174496-C-2 MS	Matrix Spike	Total/NA	Water	300.0	
380-174496-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 178076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-178076/4	Method Blank	Total/NA	Water	300.0	
LCS 380-178076/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-178076/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-178076/5	Lab Control Sample	Total/NA	Water	300.0	
380-174917-E-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-174917-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 178077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	300.0	
MB 380-178077/4	Method Blank	Total/NA	Water	300.0	
LCS 380-178077/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-178077/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-178077/5	Lab Control Sample	Total/NA	Water	300.0	
380-174917-E-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-174917-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 178103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-178103/13	Method Blank	Total/NA	Water	300.0	
LCS 380-178103/14	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-178103/15	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-178103/12	Lab Control Sample	Total/NA	Water	300.0	
380-174642-B-24 MS	Matrix Spike	Total/NA	Water	300.0	
380-174642-B-24 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 178300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	300.0	
MB 380-178300/6	Method Blank	Total/NA	Water	300.0	
LCS 380-178300/7	Lab Control Sample	Total/NA	Water	300.0	

QC Association Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

HPLC/IC (Continued)

Analysis Batch: 178300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 380-178300/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-178300/5	Lab Control Sample	Total/NA	Water	300.0	
380-175037-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-175037-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Analysis Batch: 178090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	200.8	
MBL 380-178090/47	Method Blank	Total/NA	Water	200.8	
LCS 380-178090/49	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-178090/50	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-178090/48	Lab Control Sample	Total/NA	Water	200.8	
380-174662-A-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-174662-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 178091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	200.8	
MBL 380-178091/47	Method Blank	Total/NA	Water	200.8	
LCS 380-178091/49	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-178091/50	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-178091/48	Lab Control Sample	Total/NA	Water	200.8	
380-174722-H-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-174722-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 178181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	200.7 Rev 4.4	
MBL 380-178181/136	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-178181/138	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-178181/139	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-178181/137	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-174665-D-1 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-174665-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

General Chemistry

Analysis Batch: 178023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	SM 4500 S2 D	
MB 380-178023/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-178023/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-178023/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-178023/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-174635-H-1 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 D	
380-174635-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 178250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	SM 2320B	

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

General Chemistry (Continued)

Analysis Batch: 178250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-178250/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-178250/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-178250/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-178250/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-178250/3	Lab Control Sample	Total/NA	Water	SM 2320B	
110-2398-P-1 MS	Matrix Spike	Total/NA	Water	SM 2320B	
110-2398-P-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
110-2398-P-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 178253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	SM 2510B	
MB 380-178253/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-178253/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-178253/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-178253/4	Lab Control Sample	Total/NA	Water	SM 2510B	
110-2398-P-1 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 178254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	SM 4500 H+ B	
MB 380-178254/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-178254/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-178254/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
110-2398-P-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 178278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	SM 2540C	
MB 380-178278/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-178278/5	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-178278/4	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-178278/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-178278/3	Lab Control Sample	Total/NA	Water	SM 2540C	
380-174912-P-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 178767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	SM 4500 F C	
MB 380-178767/6	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-178767/8	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-178767/9	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-178767/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-175072-A-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-175072-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Lab Chronicle

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-1

Date Collected: 10/02/25 10:47

Matrix: Drinking Water

Date Received: 10/03/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	177926	YNB8	EA POM	10/04/25 23:27
Total/NA	Analysis	524.2		1	178328	D5TU	EA POM	10/04/25 23:27
Total/NA	Prep	525.2			178571	IQ42	EA POM	10/08/25 15:24
Total/NA	Analysis	525.2		1	178764	UPAC	EA POM	10/09/25 14:56
Total/NA	Prep	625.1			636448	S4EA	EET CAL 4	10/07/25 05:00
Total/NA	Analysis	625.1		1	643083	PQS1	EET CAL 4	10/20/25 11:14
Total/NA	Prep	625.1			636448	S4EA	EET CAL 4	10/07/25 05:00
Total/NA	Analysis	625.1 SIM		1	639157	PQS1	EET CAL 4	10/12/25 11:29
Total/NA	Analysis	8015B GRO LL		1	639227	YD9V	EET CAL 4	10/12/25 14:26
Total/NA	Prep	504.1			178036	GVC6	EA POM	10/06/25 15:19 - 10/06/25 16:11 ¹
Total/NA	Analysis	504.1		1	178243	GVC6	EA POM	10/07/25 02:02
Total/NA	Prep	505			178176	DR5R	EA POM	10/07/25 10:43 - 10/07/25 11:22 ¹
Total/NA	Analysis	505		1	178447	DR5R	EA POM	10/07/25 16:10
Total/NA	Prep	3510C			636670	TVD6	EET CAL 4	10/07/25 09:55
Total/NA	Analysis	8015B		1	639324	NR	EET CAL 4	10/13/25 05:09
Total/NA	Analysis	8015B		1	637626	ZE2W	EET CAL 4	10/08/25 22:53
Total/NA	Analysis	300.0		5	178300	UNJR	EA POM	10/07/25 20:44
Total/NA	Analysis	300.0		2	177866	DXD4	EA POM	10/03/25 22:57
Total/NA	Analysis	300.0		2	177867	DXD4	EA POM	10/03/25 22:57
Total/NA	Analysis	300.0		5	178077	DXD4	EA POM	10/06/25 21:23
Total/NA	Analysis	200.7 Rev 4.4		1	178181	MF7S	EA POM	10/06/25 16:52
Total/NA	Analysis	200.8		1	178090	T8BB	EA POM	10/06/25 14:44
Total/NA	Analysis	200.8		1	178091	T8BB	EA POM	10/06/25 14:44
Total/NA	Analysis	SM 2320B		1	178250	MH2L	EA POM	10/06/25 18:13
Total/NA	Analysis	SM 2510B		1	178253	MH2L	EA POM	10/06/25 18:13
Total/NA	Analysis	SM 2540C		1	178278	UJRF	EA POM	10/07/25 14:59
Total/NA	Analysis	SM 4500 F C		1	178767	MH2L	EA POM	10/08/25 16:58
Total/NA	Analysis	SM 4500 H+ B		1	178254	MH2L	EA POM	10/06/25 18:13
Total/NA	Analysis	SM 4500 S2 D		1	178023	ZJ2C	EA POM	10/06/25 13:07

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-174679-2

Date Collected: 10/02/25 10:47

Matrix: Water

Date Received: 10/03/25 09:59

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	178247	HM3T	EA POM	10/07/25 22:49
Total/NA	Analysis	524.2		1	178328	D5TU	EA POM	10/07/25 22:49
Total/NA	Analysis	8015B GRO LL		1	639227	YD9V	EET CAL 4	10/12/25 12:46
Total/NA	Prep	504.1			178036	GVC6	EA POM	10/06/25 15:19 - 10/06/25 16:11 ¹
Total/NA	Analysis	504.1		1	178243	GVC6	EA POM	10/07/25 02:24

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

Lab Chronicle

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

Laboratory: Eurofins Eaton Analytical Pomona

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

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

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

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

Accreditation/Certification Summary

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

Job ID: 380-174679-1
 SDG: Quarterly: Aiea Wells P2

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor
SM 2320B		Drinking Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Drinking Water	Carbonate Alkalinity as CaCO3
SM 4500 S2 D		Drinking Water	Sulfide

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25 *

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

Method Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

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

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

EPA-DW2 = "Methods For The Determination of Organic Compounds in Drinking Water - Supplement III ", EPA/600/R-95-131, August 1995

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

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

Sample Summary

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

Job ID: 380-174679-1
SDG: Quarterly: Aiea Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-174679-1	AIEA WELLS P2 (260) (331-004-WL103)	Drinking Water	10/02/25 10:47	10/03/25 09:59	HI0000331
380-174679-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Water	10/02/25 10:47	10/03/25 09:59	

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

Chain of Custody Record



Client Information		Lab PM Arada Rachelle		Carrier Tracking No(s)		COC No:	
Client Contact Kirk Iwamoto		E-Mail Rachelle.Arada@et.eurofins.com		State of Origin		Page: Page 2 of 2	
Company City & County of Honolulu		PWSID		Analysis Requested		Job #:	
Address: 630 South Beretania Street, Chemistry Lab		Due Date Requested:		504.1.PREC Local Method		Total Number of Containers	
City: Honolulu		TAT Requested (days):		Field Filtered Sample (Yes or No)		Preservation Codes	
State, Zip: HI 96843		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Perform MS/MSD (Yes or No)		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Phone: 808-748-5040 (tel)		PO # C20525101 exp 05312023		Matrix		I Ice J DI Water K - EDTA L - EDA Other	
Email: kiwamoto@hbws.org		WO #:		Sample Type (C=Comp, G=grab)		Special Instructions/Note.	
Project Name: RED-HILL		Project #: 38001111		Sample Time			
Site		SSOW#:		Sample Date			
Sample Identification		Sample Time		Sample Date			
Area Wells P2		1047		2-Oct-2025			
TB - Area Wells P2							
Possible Hazard Identification		Sample Date		Sample Time			
<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		Date		Time			
Deliverable Requested I II III IV Other (specify)		Date/Time: 02 OCT 2025 1400		Date/Time: 10/3/25 9:54A		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by		Date/Time: 02 OCT 2025 1400		Date/Time: 10/3/25 9:54A		Special Instructions/QC Requirements. 8848 7094 6694	
Relinquished by		Date/Time: 02 OCT 2025 1400		Date/Time: 10/3/25 9:54A		Method of Shipment: FEX	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Date/Time: 02 OCT 2025 1400		Date/Time: 10/3/25 9:54A		Received by SMACIEL	
Custody Seal No		Date/Time: 02 OCT 2025 1400		Date/Time: 10/3/25 9:54A		Received by SMACIEL	
Cooler Temperature(s) °C and Other Remarks: (630A) 4.9 - 0.0 = 4.9 5.0		Date/Time: 02 OCT 2025 1400		Date/Time: 10/3/25 9:54A		Received by SMACIEL	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-174679-1
SDG Number: Quarterly: Aiea Wells P2

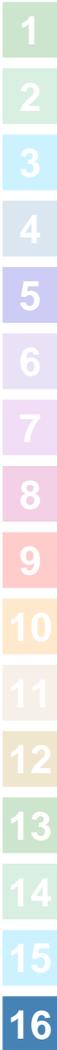
Login Number: 174679

List Number: 1

Creator: Segura, Ryan

List Source: Eurofins Eaton Analytical Pomona

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



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-174679-1
SDG Number: Quarterly: Aiea Wells P2

Login Number: 174679
List Number: 2
Creator: Ferreira, Bruno

List Source: Eurofins Calscience
List Creation: 10/06/25 02:39 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	Seal present with no number.
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	1.9, 4.0
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	

