

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Quarterly: Moanalua Wells P1/Aiea Wells P2
RUSH Weekly Red Hill

JOB NUMBER

380-164217-1

Eurofins Eaton Analytical Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Qualifiers

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
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: 380-164217-1

Job ID: 380-164217-1

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Job Narrative 380-164217-1

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 8/5/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

HPLC/IC

Method 300_OF_48H_PREC: The following samples were diluted for Nitrite as N to prevent detector saturation due to high conductivity: MOANALUA WELLS P1 (331-223-TP202) (380-164217-1) and AIEA WELLS P2 (260) (331-004-WL103) (380-164217-2). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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

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Detection Summary

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Client Sample ID: MOANALUA WELLS P1 (331-223-TP202)

Lab Sample ID: 380-164217-1

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	670		10	ug/L	2		300.0	Total/NA
Chloride	70		1.0	mg/L	2		300.0	Total/NA
Nitrate as N	0.67		0.10	mg/L	2		300.0	Total/NA
Sulfate	15		0.50	mg/L	2		300.0	Total/NA

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

Lab Sample ID: 380-164217-2

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Bromide	380		10	ug/L	2		300.0	Total/NA
Chloride	110		2.5	mg/L	5		300.0	Total/NA
Nitrate as N	0.97		0.25	mg/L	5		300.0	Total/NA
Sulfate	18		1.3	mg/L	5		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Client Sample ID: MOANALUA WELLS P1 (331-223-TP202)

Lab Sample ID: 380-164217-1

Date Collected: 08/04/25 09:46

Matrix: Drinking Water

Date Received: 08/05/25 10:30

PWSID Number: HI0000331

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	670		10	ug/L			08/07/25 22:32	2
Chloride	70		1.0	mg/L			08/05/25 18:52	2
Nitrate as N	0.67		0.10	mg/L			08/05/25 18:52	2
Nitrite as N	<0.10		0.10	mg/L			08/05/25 18:52	2
Sulfate	15		0.50	mg/L			08/05/25 18:52	2

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			08/06/25 16:14	1

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

Lab Sample ID: 380-164217-2

Date Collected: 08/04/25 11:27

Matrix: Drinking Water

Date Received: 08/05/25 10:30

PWSID Number: HI0000331

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	380		10	ug/L			08/07/25 22:59	2
Chloride	110		2.5	mg/L			08/05/25 19:30	5
Nitrate as N	0.97		0.25	mg/L			08/05/25 19:30	5
Nitrite as N	<0.25		0.25	mg/L			08/05/25 19:30	5
Sulfate	18		1.3	mg/L			08/05/25 19:30	5

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride (SM 4500 F C)	<0.050		0.050	mg/L			08/06/25 16:18	1

Action Limit Summary

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Client Sample ID: MOANALUA WELLS P1 (331-223-TP202)

Lab Sample ID: 380-164217-1

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	EPAMCL Limit	EPAMCLS Limit	RL	Method	Prep Type
Chloride	70		mg/L		250	1.0	300.0	Total/NA
Nitrate as N	0.67		mg/L	10		0.10	300.0	Total/NA
Nitrite as N	<0.10		mg/L	1		0.10	300.0	Total/NA
Sulfate	15		mg/L		250	0.50	300.0	Total/NA
Fluoride	<0.050		mg/L	4	2	0.050	SM 4500 F C	Total/NA

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

Lab Sample ID: 380-164217-2

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	EPAMCL Limit	EPAMCLS Limit	RL	Method	Prep Type
Chloride	110		mg/L		250	2.5	300.0	Total/NA
Nitrate as N	0.97		mg/L	10		0.25	300.0	Total/NA
Nitrite as N	<0.25		mg/L	1		0.25	300.0	Total/NA
Sulfate	18		mg/L		250	1.3	300.0	Total/NA
Fluoride	<0.050		mg/L	4	2	0.050	SM 4500 F C	Total/NA

QC Sample Results

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-166891/5

Matrix: Water

Analysis Batch: 166891

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			08/05/25 08:06	1
Nitrite as N	<0.050		0.050	mg/L			08/05/25 08:06	1

Lab Sample ID: LCS 380-166891/7

Matrix: Water

Analysis Batch: 166891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.59		mg/L		104	90 - 110
Nitrite as N	1.00	1.00		mg/L		100	90 - 110

Lab Sample ID: LCSD 380-166891/8

Matrix: Water

Analysis Batch: 166891

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	2.59		mg/L		104	90 - 110	0	20
Nitrite as N	1.00	0.999		mg/L		100	90 - 110	0	20

Lab Sample ID: MRL 380-166891/6

Matrix: Water

Analysis Batch: 166891

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	0.0485	J	mg/L		97	50 - 150
Nitrite as N	0.0500	0.0474	J	mg/L		95	50 - 150

Lab Sample ID: 380-164208-A-2 MS

Matrix: Water

Analysis Batch: 166891

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	2.6		1.25	3.81		mg/L		100	80 - 120
Nitrite as N	<0.050		0.500	0.470		mg/L		94	80 - 120

Lab Sample ID: 380-164208-A-2 MSD

Matrix: Water

Analysis Batch: 166891

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	2.6		1.25	3.84		mg/L		102	80 - 120	1	20
Nitrite as N	<0.050		0.500	0.479		mg/L		96	80 - 120	2	20

Lab Sample ID: MB 380-166892/5

Matrix: Water

Analysis Batch: 166892

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			08/05/25 08:06	1
Sulfate	<0.25		0.25	mg/L			08/05/25 08:06	1

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QC Sample Results

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 380-166892/7

Matrix: Water

Analysis Batch: 166892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	26.6		mg/L		106	90 - 110
Sulfate	50.0	51.7		mg/L		103	90 - 110

Lab Sample ID: LCSD 380-166892/8

Matrix: Water

Analysis Batch: 166892

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	26.6		mg/L		106	90 - 110	0	20
Sulfate	50.0	51.8		mg/L		104	90 - 110	0	20

Lab Sample ID: MRL 380-166892/6

Matrix: Water

Analysis Batch: 166892

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	0.441	J	mg/L		88	50 - 150
Sulfate	0.250	0.239	J	mg/L		96	50 - 150

Lab Sample ID: 380-164208-A-2 MS

Matrix: Water

Analysis Batch: 166892

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	4.3		12.5	17.3		mg/L		104	80 - 120
Sulfate	1.2		25.0	26.1		mg/L		99	80 - 120

Lab Sample ID: 380-164208-A-2 MSD

Matrix: Water

Analysis Batch: 166892

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	4.3		12.5	17.6		mg/L		106	80 - 120	2	20
Sulfate	1.2		25.0	26.6		mg/L		101	80 - 120	2	20

Lab Sample ID: MB 380-167406/14

Matrix: Water

Analysis Batch: 167406

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			08/07/25 19:54	1

Lab Sample ID: LCS 380-167406/15

Matrix: Water

Analysis Batch: 167406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	97.8		ug/L		98	90 - 110

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QC Sample Results

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 380-167406/16
Matrix: Water
Analysis Batch: 167406

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	97.6		ug/L		98	90 - 110	0	10

Lab Sample ID: MRL 380-167406/13
Matrix: Water
Analysis Batch: 167406

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Bromide	5.00	4.78	J	ug/L		96	75 - 125		

Lab Sample ID: 380-163809-AG-1 MS
Matrix: Water
Analysis Batch: 167406

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	49.5		ug/L		99	80 - 120		

Lab Sample ID: 380-163809-AG-1 MSD
Matrix: Water
Analysis Batch: 167406

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	48.0		ug/L		96	80 - 120	3	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-167260/6
Matrix: Water
Analysis Batch: 167260

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			08/06/25 15:33	1

Lab Sample ID: LCS 380-167260/8
Matrix: Water
Analysis Batch: 167260

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	1.03		mg/L		103	90 - 110		

Lab Sample ID: LCSD 380-167260/9
Matrix: Water
Analysis Batch: 167260

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.00	1.02		mg/L		102	90 - 110	1	10

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QC Sample Results

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MRL 380-167260/7

Matrix: Water

Analysis Batch: 167260

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: 380-164026-C-27 MS

Matrix: Water

Analysis Batch: 167260

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	0.33		1.00	1.33		mg/L		101	80 - 120		

Lab Sample ID: 380-164026-C-27 MSD

Matrix: Water

Analysis Batch: 167260

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	0.33		1.00	1.33		mg/L		101	80 - 120	0	20

QC Association Summary

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

HPLC/IC

Analysis Batch: 166891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164217-1	MOANALUA WELLS P1 (331-223-TP202)	Total/NA	Drinking Water	300.0	
380-164217-2	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	300.0	
MB 380-166891/5	Method Blank	Total/NA	Water	300.0	
LCS 380-166891/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-166891/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-166891/6	Lab Control Sample	Total/NA	Water	300.0	
380-164208-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
380-164208-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 166892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164217-1	MOANALUA WELLS P1 (331-223-TP202)	Total/NA	Drinking Water	300.0	
380-164217-2	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	300.0	
MB 380-166892/5	Method Blank	Total/NA	Water	300.0	
LCS 380-166892/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-166892/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-166892/6	Lab Control Sample	Total/NA	Water	300.0	
380-164208-A-2 MS	Matrix Spike	Total/NA	Water	300.0	
380-164208-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 167406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164217-1	MOANALUA WELLS P1 (331-223-TP202)	Total/NA	Drinking Water	300.0	
380-164217-2	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	300.0	
MB 380-167406/14	Method Blank	Total/NA	Water	300.0	
LCS 380-167406/15	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-167406/16	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-167406/13	Lab Control Sample	Total/NA	Water	300.0	
380-163809-AG-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-163809-AG-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 167260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-164217-1	MOANALUA WELLS P1 (331-223-TP202)	Total/NA	Drinking Water	SM 4500 F C	
380-164217-2	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	SM 4500 F C	
MB 380-167260/6	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-167260/8	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-167260/9	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-167260/7	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-164026-C-27 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-164026-C-27 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

Lab Chronicle

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Client Sample ID: MOANALUA WELLS P1 (331-223-TP202)

Lab Sample ID: 380-164217-1

Date Collected: 08/04/25 09:46

Matrix: Drinking Water

Date Received: 08/05/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		2	166891	XLG4	EA POM	08/05/25 18:52
Total/NA	Analysis	300.0		2	166892	XLG4	EA POM	08/05/25 18:52
Total/NA	Analysis	300.0		2	167406	UNJR	EA POM	08/07/25 22:32
Total/NA	Analysis	SM 4500 F C		1	167260	PK4Q	EA POM	08/06/25 16:14

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

Lab Sample ID: 380-164217-2

Date Collected: 08/04/25 11:27

Matrix: Drinking Water

Date Received: 08/05/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		5	166891	XLG4	EA POM	08/05/25 19:30
Total/NA	Analysis	300.0		5	166892	XLG4	EA POM	08/05/25 19:30
Total/NA	Analysis	300.0		2	167406	UNJR	EA POM	08/07/25 22:59
Total/NA	Analysis	SM 4500 F C		1	167260	PK4Q	EA POM	08/06/25 16:18

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Laboratory: Eurofins Eaton Analytical Pomona

The accreditations/certifications listed below are applicable to this report.

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

- 1
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Method Summary

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EA POM
SM 4500 F C	Fluoride	SM	EA POM

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

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

Sample Summary

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

Job ID: 380-164217-1
SDG: Quarterly: Moanalua Wells P1/Aiea Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-164217-1	MOANALUA WELLS P1 (331-223-TP202)	Drinking Water	08/04/25 09:46	08/05/25 10:30	HI0000331
380-164217-2	AIEA WELLS P2 (260) (331-004-WL103)	Drinking Water	08/04/25 11:27	08/05/25 10:30	HI0000331

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Environment Testing
America

Ver- 01/16/2019

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-164217-1

SDG Number: Quarterly: Moanalua Wells P1/Aiea Wells P2

Login Number: 164217

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	