

ANALYTICAL REPORT

Eurofins Eaton Monrovia
750 Royal Oaks Drive
Suite 100
Monrovia, CA 91016
Tel: (626)386-1100

Laboratory Job ID: 380-5401-1

Client Project/Site: INTERA - Red-Hill-Incident

For:

City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 308
Honolulu, Hawaii 96843

Attn: Mr. Erwin Kawata



Authorized for release by:

9/23/2022 10:21:48 PM

Rachelle Arada, Manager of Project Management
(626)386-1106

Rachelle.Arada@et.eurofinsus.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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)



Rachelle Arada
Manager of Project Management
9/23/2022 10:21:48 PM



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Definitions/Glossary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-5401-1

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/Site: INTERA - Red-Hill-Incident

Job ID: 380-5401-1

Job ID: 380-5401-1

Laboratory: Eurofins Eaton Monrovia

Narrative

**Job Narrative
380-5401-1**

Comments

No additional comments.

Receipt

The samples were received on 6/22/2022 9:55 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 was 4.8° C.

Subcontract non-Sister

See attached subcontract report.

Subcontract Work

Methods 8015 Gas (purgeable), TPH Diesel and Motor Oil: These methods were subcontracted to Asset Laboratories. The subcontract laboratory certifications are different from that of the facility issuing the final report.



Method Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-5401-1

Method	Method Description	Protocol	Laboratory
8015	8015 - TPH DRO/ORO	EPA	
8015B	SW846 8015B Gasoline Range Organics	SW846	

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Las Vegas, NV, 3151 W. Post Road, Las Vegas, NV 89118



Sample Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-5401-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-5401-1	BWS2253-J1-AQ	Drinking Water	06/21/22 09:15	06/22/22 09:55
380-5401-2	BWS2253-J1-TB	Drinking Water	06/21/22 09:15	06/22/22 09:55

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June 29, 2022

Debbie Frank
Eurofins
750 Royal Oaks Drive Suite 100
Monrovia, CA 91016-3629
TEL: (626) 386-1158
FAX:

Workorder No.: N051310

RE: INTERA - Red-Hill-Incident, 38000861

Attention: Debbie Frank

Enclosed are the results for sample(s) received on June 22, 2022 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

Nancy Sibucan
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - Las Vegas.



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CLIENT: Eurofins
Project: INTERA - Red-Hill-Incident, 38000861
Lab Order: N051310

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.

Analytical Comments for EPA 8015B_DRO/ORO:

Matrix Spike(MS) and Matrix Spike Duplicate(MSD) were not performed due to limited sample. LCS/LCSD was used instead to measure precision.

Analytical Comments for EPA 8015B_GRO:

RPD for Sample Duplicate (DUP) is outside criteria for GRO, however, the Laboratory Control Sample (LCS) validated the analytical batch.



CLIENT: Eurofins
Project: INTERA - Red-Hill-Incident, 38000861
Lab Order: N051310
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N051310-001A	BWS2253-J1-AQ (380-5401- Raw Groundwater 1)	Raw Groundwater	6/21/2022 9:15:00 AM	6/22/2022	6/29/2022
N051310-001B	BWS2253-J1-AQ (380-5401- Raw Groundwater 1)	Raw Groundwater	6/21/2022 9:15:00 AM	6/22/2022	6/29/2022
N051310-002A	BWS2253-J1-TB (380-5401- Bottled Water 2)	Bottled Water	6/21/2022 9:15:00 AM	6/22/2022	6/29/2022



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ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 29-Jun-22

CLIENT: Eurofins **Client Sample ID:** BWS2253-J1-AQ (380-5401-1)
Lab Order: N051310 **Collection Date:** 6/21/2022 9:15:00 AM
Project: INTERA - Red-Hill-Incident, 38000861 **Matrix:** RAW GROUNDWATER
Lab ID: N051310-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TPH CARBON CHAIN EPA 8015						
	EPA 3510C		EPA 8015B(M)			
RunID: NV00922-GC3_220626A	QC Batch: 93471				PrepDate: 6/23/2022	Analyst: MCC
Diesel Range Organics (C10-C28)	66	50		ug/L	1	6/27/2022 05:54 PM
Oil Range Organics (C28-C40)	ND	50		ug/L	1	6/27/2022 05:54 PM
Surr: p-Terphenyl	75.8	33-138		%REC	1	6/27/2022 05:54 PM
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B			
RunID: NV00922-GC4_220623B	QC Batch: E22VW073				PrepDate:	Analyst: CA
GRO	ND	0.050		mg/L	1	6/23/2022 09:12 PM
Surr: Chlorobenzene - d5	113	69-130		%REC	1	6/23/2022 09:12 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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ANALYTICAL RESULTS

Print Date: 29-Jun-22

CLIENT: Eurofins **Client Sample ID:** BWS2253-J1-TB (380-5401-2)
Lab Order: N051310 **Collection Date:** 6/21/2022 9:15:00 AM
Project: INTERA - Red-Hill-Incident, 38000861 **Matrix:** BOTTLED WATER
Lab ID: N051310-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: NV00922-GC4_220623B	QC Batch: E22VW073	PrepDate:	Analyst: CA		
GRO	ND	0.050	mg/L	1	6/23/2022 08:41 PM
Surr: Chlorobenzene - d5	86.6	69-130	%REC	1	6/23/2022 08:41 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out



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CLIENT: Eurofins
Work Order: N051310
Project: INTERA - Red-Hill-Incident, 38000861

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015DM_W_CC

Sample ID: MB-93471	SampType: MBLK	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 6/23/2022	RunNo: 163467						
Client ID: PBW	Batch ID: 93471	TestNo: EPA 8015B(M EPA 3510C		Analysis Date: 6/25/2022	SeqNo: 4699595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	ND	50									
Oil Range Organics (C28-C40)	ND	50									
Surr: p-Terphenyl	73.818		80.00		92.3	33	138				

Sample ID: LCS-93471	SampType: LCS	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 6/23/2022	RunNo: 163467						
Client ID: LCSW	Batch ID: 93471	TestNo: EPA 8015B(M EPA 3510C		Analysis Date: 6/25/2022	SeqNo: 4699801						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	751.196	50	1000	0	75.1	48	120				
Surr: p-Terphenyl	81.974		80.00		102	33	138				

Sample ID: LCSD-93471	SampType: LCSD	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 6/23/2022	RunNo: 163467						
Client ID: LCSS02	Batch ID: 93471	TestNo: EPA 8015B(M EPA 3510C		Analysis Date: 6/25/2022	SeqNo: 4699802						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	687.876	50	1000	0	68.8	48	120	751.2	8.80	20	
Surr: p-Terphenyl	75.563		80.00		94.5	33	138		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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CLIENT: Eurofins
Work Order: N051310
Project: INTERA - Red-Hill-Incident, 38000861

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

Sample ID: E220623LCS2	SampType: LCS	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 163449						
Client ID: LCSW	Batch ID: E22VW073	TestNo: EPA 8015B		Analysis Date: 6/23/2022	SeqNo: 4693960						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.296	0.050	1.000	0	130	69	143				
Surr: Chlorobenzene - d5	53.003		50.00		106	69	130				

Sample ID: E220623MB2	SampType: MBLK	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 163449						
Client ID: PBW	Batch ID: E22VW073	TestNo: EPA 8015B		Analysis Date: 6/23/2022	SeqNo: 4693961						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Chlorobenzene - d5	57.105		50.00		114	69	130				

Sample ID: N051329-001EMS	SampType: MS	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 163449						
Client ID: ZZZZZ	Batch ID: E22VW073	TestNo: EPA 8015B		Analysis Date: 6/23/2022	SeqNo: 4693963						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.359	0.050	1.000	0	136	49	156				
Surr: Chlorobenzene - d5	55.542		50.00		111	69	130				

Sample ID: N051329-001EMSD	SampType: MSD	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 163449						
Client ID: ZZZZZ	Batch ID: E22VW073	TestNo: EPA 8015B		Analysis Date: 6/23/2022	SeqNo: 4693964						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.388	0.050	1.000	0	139	49	156	1.359	2.11	20	
Surr: Chlorobenzene - d5	57.333		50.00		115	69	130		0	0	

Sample ID: N051331-013CDUP	SampType: DUP	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 163449						
Client ID: ZZZZZ	Batch ID: E22VW073	TestNo: EPA 8015B		Analysis Date: 6/23/2022	SeqNo: 4693968						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.081	0.050						0	200	20	R

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

Calculations are based on raw values



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CLIENT: Eurofins
Work Order: N051310
Project: INTERA - Red-Hill-Incident, 38000861

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

Sample ID: N051331-013CDUP	SampType: DUP	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 163449						
Client ID: ZZZZZ	Batch ID: E22VW073	TestNo: EPA 8015B		Analysis Date: 6/23/2022	SeqNo: 4693968						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Chlorobenzene - d5	47.813		50.00		95.6	69	130		0	0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference



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Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Shipping/Receiving		Frank, Debbie L	Frank, Debbie L		380-9479-1
Company: Asset Laboratories		Phone:	E-Mail:	State of Origin:	Page:
Address: 3151 W. Post Road, City: Las Vegas State, Zip: NV, 89118 Phone: PO #: WO #: Project #: 38000861 SOW#:		Debbie.Frank@et.eurofins.com		Hawaii	Page 1 of 1
Site: Honolulu BWS Sites		Accreditations Required (See note): State - Hawaii		Job #:	380-5401-1
Due Date Requested: 7/14/2022		Analysis Requested		Preservation Codes:	
TAT Requested (days):		SUB (8015 Gas (purgeable)) / 8015 Gas (purgeable) and Motor Oil		A - HCL M - Hexane N - None O - AshNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Matrix (W=water, S=solid, O=waste oil, BT=Tissue, A=Air)		SUB (TPH Diesel and Motor Oil) / TPH Diesel and Motor Oil		Other:	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers
6/21/22	09:15 Hawaiian	Water	X	X	8
6/21/22	09:15 Hawaiian	Water	X	X	2
Special Instructions/Note:					
See Attached Instructions					

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

Possible Hazard Identification
 Unconfirmed
 Return To Client
 Disposal By Lab
 Archive For _____ Months
 Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____
 Relinquished by: _____ Date/Time: _____ Received by: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Received by: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Received by: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No.: _____
 Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks:





Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629Phone: 626 386 1100
Fax: 626 386 1101

800 566 LABS (800 566 5227)

Website: www.EatonAnalytical.com

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY:

SAMPLES LOGGED IN BY:

SAMPLE TEMP RECEIVED AT: ASSET LABSSAMPLES REC'D DAY OF COLLECTION? (check for yes) Colton / No. California / Arizona 4.8 °C (Compliance: 4 ± 2 °C) Monrovia DNAJ °C (Compliance: 4 ± 2 °C)CONDITION OF BLUE ICE: Frozen Partially Frozen Thawed Wet Ice No Ice METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: Fedex # 5708

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: Honolulu Board of Water Supply		PROJECT CODE: RED HILL		COMPLIANCE SAMPLES <input type="checkbox"/>		NON-COMPLIANCE SAMPLES <input checked="" type="checkbox"/>	
EEA CLIENT CODE: HONOLULU		COC ID:		Type of samples (circle one): <u>ROUTINE</u> SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,...)		REGULATION INVOLVED:	
SAMPLE GROUP: MW - INTERA Albuquerque +		TAT requested: rush by adv notice only: RUSH		- Requires state forms <input type="checkbox"/>		SEE ATTACHED BOTTLE ORDER FOR ANALYSES <input checked="" type="checkbox"/> (check for yes), OR	
STD <input type="checkbox"/> 1 wk <input type="checkbox"/> 3 day <input checked="" type="checkbox"/> 2 day <input type="checkbox"/> 1 day <input type="checkbox"/>		list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)		Type of samples (circle one):		list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)	
SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX*	FIELD DATA	FIELD DATA	SAMPLER COMMENTS
6/21/22		N051310-01	BWS2253-J1-AQ	RGW			kit# 314010 Provided by EEA
6/21/22		-02	BWS2253-J1-TB	BW			

* MATRIX TYPES: RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O = Other - Please Identify
 RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
SAMPLED BY: <u>Justin Barnes</u>	<u>Kevin Fong/Justin Barnes</u>	The Limtiaco Consulting Group	<u>6/21/22</u>	<u>9:15AM</u>
RELINQUISHED BY: <u>Justin Barnes</u>	<u>Kevin Fong/Justin Barnes</u>	The Limtiaco Consulting Group	<u>6/21/22</u>	<u>11:00 AM</u>
RECEIVED BY: <u>Yocendra Rodriguez</u>	<u>[Signature]</u>	<u>ASSET</u>	<u>6/22/22</u>	<u>0955</u>
RELINQUISHED BY:				
RECEIVED BY:				



Eaton Analytical

Kit Order for BOARD OF WATER SUPPLY, CITY AND COUNTY OF

Debbie L Frank is your Eurofins Eaton Analytical, LLC Service Manager

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Created Date & Time: 3/1/2022 10:24:54AM

Note: Sampler Please return this paper with your samples

Kit #: 314010



Created By: Debbie L Frank - [DEB]
Deliver By: 03/08/2022
STG: Bottle Orders
Ice Type: W

Client ID: HONOLULU

Project Code: INTERA Bottle Orders
Group Name: RUSH Incident Follow-up TPH (2021)
PO#/JOB#: C20525101 exp 05312023
Description: Stock - ASSET MW Monitoring - Si

Ship Sample Kits to
INTERA Incorporated
41-038 A Manana Street
Waimanalo, HI 96795

Attn: Kevin Gooding- Ship INTERA
Phone: 808.382.6853

Send Report to
Honolulu Board of Water Supply
630 South Beretania Street
Public Service Bldg. Room 308
Honolulu, HI 96843

Attn: Erwin Kawata
Phone: 808-748-5091
Fax: 808-550-5018

Billing Address
Honolulu Board of Water Supply
630 South Beretania Street
Public Service Bldg. Room 308
Honolulu, HI 96843

Attn: Erwin Kawata
Phone: 808-748-5091
Fax: 808-550-5018

# of	Sample Tests	Bottle Qty - Type [preservative information]	Total	UN DOT #
7	TPH 8015 Diesel and Motor Oil	2 - 1L amber glass [2ml HCL (50%)]	14	UN1789
7	8015 Gas	4 - 40ml amber glass vial [1:1 HCL]	28	
7	8015 Gas Travel Blank	2 - 40ml amber glass vial [4 drops of 1:1 HCL + H2O]	14	UN1789

Sum Tests: 21

Sum Bottles: 56

Comments

7 stock kits

Shipping: Pack 1 FS + TB set per cooler
Testing - MRL reporting, no individual Cs

Sampler - RUSH testing Ship direct to the 8015 testing lab with note on the COC to Bill and report to EEA-monrovia

Asset Labs
Sample receiving
ASSET Laboratories
3151 W. Post Road,
Las Vegas, NV 89118
702.307.2858
Marion Carlin
Sr. Project Manager
www.assetlaboratories.com
Email marion@assetlaboratories.com
P: 702.307.2859 Ext. 410 | F: 702.307.2691 | M: 702.439.0421

Include KO with COC

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 6/22/2021 Workorder: N051310
 Rep sample Temp (Deg C): 4.8 IR Gun ID: 3
 Temp Blank: Yes No
 Carrier name: FedEx
 Last 4 digits of Tracking No.: 5708 Packing Material Used: Bubble Wrap
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|--|--|--|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/>
Yes <input type="checkbox"/> | No <input type="checkbox"/>
No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>
NA <input checked="" type="checkbox"/> |

Comments:

Sample 2: Same collection date and time of the associated field sample (sample 1).
Collection time taken from labels.

For:

Checklist Completed By: YR G Garcia 6/22/2022

Reviewed By: ABC 6/28/2022

ASSET Laboratories

WORK ORDER Summary

29-Jun-22

WorkOrder: N051310

Client ID: EUROF01

Project: INTERA - Red-Hill-Incident, 38000861

QC Level: RTNE

Date Received: 6/22/2022

Comments: MRL only

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N051310-001A	BWS2253-J1-AQ (380-5401- '\	6/21/2022 9:15:00 AM	6/24/2022	Raw Groundwater	EPA 3510C	SEPARATOR Y FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			6/24/2022		EPA 8015B(M)	TPH Carbon Chain EPA 8015	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N051310-001B			6/24/2022		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N051310-002A	BWS2253-J1-TB (380-5401-2 ,		6/24/2022	Bottled Water	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N051310-003A	FOLDER	6/24/2022	6/24/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			6/24/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

INTERNATIONAL
 74 KIHAPAI ST.
 KAILUA, HI 96734
 UNITED STATES US

DIMS: 16x11x15 IN
 BILL THIRD PARTY

156287436 PRO32 EXP 03/23
 W34J4H2Z/RT05

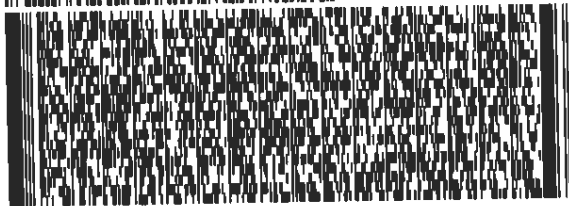
TO **ATTN: MARLON CARTIN
 ASSET LABORATORIES
 SAMPLE RCVG.
 3151 WEST POST RD.
 LAS VEGAS NV 89118**

(702) 307-2658
 INVT
 PD:

REF:

DEPT:

011 000001 11 0 000 0001 001 0000 001 1 0000 00 1 0000 000



FedEx
 Express

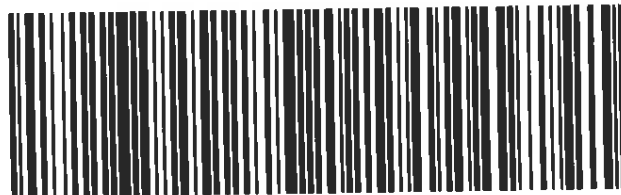


AW 1012140220222222

**WED - 22 JUN 10:30A
 PRIORITY OVERNIGHT
 DSR AHS
 89118
 NV-US LAS**

TRK# 2746 1342 5708
 0201

WR LASA



4.8°C
 JNA # 3

Loc: 380
5401

CHAIN OF CUSTODY RECORD

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, CA 91018-3629
Phone: 626 386 1100
Fax: 626 386 1101
800 566 LABS (800 566 5227)
Website: www.EatonAnalytical.com

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: _____

SAMPLES LOGGED IN BY: JS (check for yes)

SAMPLES REC'D DAY OF COLLECTION? (check for yes)

SAMPLE TEMP RECEIVED AT: ASSET LABS

Colton / No. California / Arizona 4.8 °C (Compliance: 4 ± 2 °C)

Monrovia 5.43 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen _____ Thawed _____ No Ice _____

Partially Frozen _____ Wet Ice _____

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: FedEx # 5708

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: Honolulu Board of Water Supply

PROJECT CODE: RED HILL

SAMPLE GROUP: MW - INTERA, Albuquerque +

EEA CLIENT CODE: HONOLULU

COC ID: _____

TAT requested: rush by adv notice only: **RUSH**

STD 1 wk 3 day 2 day 1 day

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	COMPLIANCE SAMPLES		NON-COMPLIANCE SAMPLES		SAMPLER COMMENTS
							- Requires state forms	REGULATION INVOLVED:	- Requires state forms	REGULATION INVOLVED:	
6/21/22		N051301-01	BWS2253-J1-AQ	RGW			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Kit# 314010 Provided by EEA
6/21/22		-02	BWS2253-J1-TB	BW			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Ship to: Asset Laboratories
3151 West Post Road
Las Vegas NV 89118
702-307-2659
Attn: Marlon Cartin
marlon@assetlaboratories.com

Bill and Report to EEA-Monrovia



380-5401 COC

*** MATRIX TYPES:** RSW = Raw Surface Water
RGW = Raw Ground Water
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
SEAW = Sea Water
WW = Waste Water
SW = Bottled Water
SO = Soil
SW = Storm Water
SL = Sludge

SAMPLED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
Justin Barnes	<i>Justin Barnes</i>	Kevin Fong/Justin Barnes	The Limitaco Consulting Group	6/21/22	9:15 AM
Justin Barnes	<i>Justin Barnes</i>	Kevin Fong/Justin Barnes	The Limitaco Consulting Group	6/21/22	11:00 AM
Yvan Rodriguez	<i>Yvan Rodriguez</i>	Asset	Asset	6/22/22	0955



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-5401-1

Login Number: 5401

List Source: Eurofins Eaton Monrovia

List Number: 1

Creator: Sanchez, Joseph G

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