🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Eaton Monrovia 750 Royal Oaks Drive

Suite 100 Monrovia, CA 91016 Tel: (626)386-1100

Laboratory Job ID: 380-19691-1 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

anda

Authorized for release by: 9/18/2022 12:35:08 PM

Rachelle Arada, Manager of Project Management (626)386-1106 Rachelle.Arada@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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)

Unada

Rachelle Arada Manager of Project Management 9/18/2022 12:35:08 PM

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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

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

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

Percent Recovery

Contains Free Liquid

Colony Forming Unit

Dilution Factor

Contains No Free Liquid

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE)

Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

Glossary Abbreviation

¤

%R

CFL

CFU

CNF

DER

DLC

EDL

LOD

LOQ MCL

MDA

MDC

MDL

ML MPN

MQL NC

ND

NEG

POS

PQL

QC RER

RL

RPD

TEF TEQ

TNTC

PRES

Dil Fac DL

DL, RA, RE, IN

3
5
8
0

Laboratory: Eurofins Eaton Monrovia

Narrative

Job Narrative 380-19691-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 8/31/2022 9:45 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 4.1° C.

Subcontract non-Sister

See attached subcontract report.

Job ID: 380-19691-1

Detection Summary

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

Client Sample ID: BWS2253-J1-AQ

No Detections.

Client Sample ID: BWS2253-J1-TB

No Detections.

Job ID: 380-19691-1

Lab Sample ID: 380-19691-1

Lab Sample ID: 380-19691-2

Eurofins Eaton Monrovia

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

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

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-19691-1	BWS2253-J1-AQ	Drinking Water	08/30/22 09:00	08/31/22 09:45
380-19691-2	BWS2253-J1-TB	Drinking Water	08/30/22 09:00	08/31/22 09:45

September 06, 2022

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

Workorder No.: N052369

RE: INTERA-Red-Hill-Incident, 38000861

Attention: Debbie Frank

Enclosed are the results for sample(s) received on August 31, 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,

Jordelleou da for

Nancy Sibucao Laboratory Director

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ASSET Laboratories

Date:	06-Sep-22
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CLIENT:	Eurofins
Project:	INTERA-Red-Hill-Incident, 38000861
Lab Order:	N052369

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) is outside recovery criteria. QC sample N052369-001A-MS was inadvertently not spiked. The associated Laboratory Control Sample (LCS) and Matrix Spike Duplicate (MSD) recoveries were acceptable.

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria, calculation not applicable due to unspiked MS.

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ASSET Laboratories

Date: 06-Sep-22

CLIENT: Project: Lab Order:	Eurofins INTERA-Red-Hill-Incide N052369	ent, 38000861	Work C	Order Sampl	e Summary
Contract No:					
Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N052369-001A	BWS2253-J1-AQ (380- 19691-1)	Raw Groundwater	8/30/2022 9:00:00 AM	8/31/2022	9/6/2022

	19691-1)				
N052369-001B	BWS2253-J1-AQ (380- 19691-1)	Raw Groundwater	8/30/2022 9:00:00 AM	8/31/2022	9/6/2022
N052369-002A	BWS2253-J1-TB (380- 19691-2)	Bottled Water	8/30/2022 9:00:00 AM	8/31/2022	9/6/2022



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ANALYTICAL RESULTS Print Date: 06-Sep-22

CLIENT: Client Sample ID: BWS2253-J1-AQ (380-19691-1) Eurofins Lab Order: N052369 Collection Date: 8/30/2022 9:00:00 AM INTERA-Red-Hill-Incident, 38000861 **Project:** Matrix: RAW GROUNDWATER Lab ID: N052369-001 Analyses Result PQL Qual Units DF **Date Analyzed TPH CARBON CHAIN EPA 8015** EPA 8015B(M) EPA 3510C RunID: NV00922-GC1_220831C QC Batch: PrepDate: 94517 9/1/2022 Analyst: MCC Diesel Range Organics (C10-C28) ND 50 ug/L 1 9/2/2022 01:40 AM Oil Range Organics (C28-C40) ND 9/2/2022 01:40 AM 50 ug/L 1 Surr: p-Terphenyl 86.5 33-138 %REC 9/2/2022 01:40 AM 1

			EPA 8015B		
RunID: NV00922-GC4_220901A	QC Batch: E22	VW 098	Prepl	Date:	Analyst: CA
GRO	ND	0.050	mg/L	1	9/1/2022 02:53 PM
Surr: Chlorobenzene - d5	103	69-130	%REC	1	9/1/2022 02:53 PM

Qualifiers:

В

ASSET Laboratories

GASOLINE RANGE ORGANICS BY GC/FID

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out

ASSET LABORATORIES 11110 Artesia

E Value above quantitation range

ND Not Detected at the Reporting Limit Results are wet unless otherwise specified

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ANALYTICAL RESULTS Print Date: 06-Sep-22 Client Sample ID: BWS2253-J1-TB (380-19691-2) Collection Date: 8/30/2022 9:00:00 AM

Matrix: BOTTLED WATER

DF

1

1

Date Analyzed

Analyst: CA

9/1/2022 12:49 PM

9/1/2022 12:49 PM

Qualifiers:

В

ASSET Laboratories

Eurofins

N052369

GASOLINE RANGE ORGANICS BY GC/FID

NV00922-GC4_220901A

Surr: Chlorobenzene - d5

N052369-002

INTERA-Red-Hill-Incident, 38000861

Result

ND

102

E22VW098

0.050

69-130

QC Batch:

PQL Qual Units

EPA 8015B

mg/L

%REC

PrepDate:

CLIENT:

Project:

Lab ID:

Analyses

RunID:

GRO

Lab Order:

- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Spike/Surrogate outside of limits due to matrix interference S
- DO Surrogate Diluted Out

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9/18/2022



Е

Value above quantitation range

Not Detected at the Reporting Limit Results are wet unless otherwise specified

ASSET Laboratories

CLIENT: Eurofins

Work Order: N052369

Date: 06-Sep-22

ANALYTICAL QC SUMMARY REPORT

Project: INTERA-Red-Hill-Incident, 38000861

TestCode: 8015DM_W_CC

Sample ID: MB-94517	SampType: MBLK	TestCod	le: 8015DM V	V C Units: ug/L		Prep Da	te: 9/1/202	2	RunNo: 165	390	
Client ID: PBW	Batch ID: 94517		-	B(M EPA 3510C			te: 9/2/2022		SeqNo: 481		
									004.10. 10		
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	79.624		80.00		99.5	33	138				
Sample ID: LCS-94517	SampType: LCS	TestCod	le: 8015DM_V	V_C Units: ug/L		Prep Da	te: 9/1/2022	2	RunNo: 165	390	
Client ID: LCSW	Batch ID: 94517	TestN	lo: EPA 80158	B(M EPA 3510C		Analysis Da	te: 9/2/2022	2	SeqNo: 481	6539	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	500.442	50	1000	0	50.0	48	120				
Surr: p-Terphenyl	51.283		80.00		64.1	33	138				
Sample ID: N052369-001A-MS	SampType: MS	TestCod	le: 8015DM_V	V_C Units: ug/L		Prep Da	te: 9/1/2022	2	RunNo: 165	390	
Client ID: ZZZZZZ	Batch ID: 94517	TestN	lo: EPA 8015E	B(M EPA 3510C		Analysis Da	te: 9/2/2022	2	SeqNo: 481	6541	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	ND	50	1000	0	0	48	120				S
Surr: p-Terphenyl	70.532		80.00		88.2	33	138				
Sample ID: N052369-001A-MSD	SampType: MSD	TestCod	le: 8015DM_V	V_C Units: ug/L		Prep Da	te: 9/1/202	2	RunNo: 165	390	
Client ID: ZZZZZZ	Batch ID: 94517	TestN	lo: EPA 8015E	B(M EPA 3510C		Analysis Da	te: 9/2/2022	2	SeqNo: 481	6542	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (C10-C28)	566.547	50	1000	0	56.7	48	120	0	200	20	R
Surr: p-Terphenyl						33	138				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out



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H Holding times for preparation or analysis exceeded

S Spike/Surrogate outside of limits due to matrix interference

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Value above quantitation range

RPD outside accepted recovery limits

Calculations are based on raw values

CLIENT: Eurofins

Project:

N052369 Work Order:

INTERA-Red-Hill-Incident, 38000861

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

Sample ID: E220901LCS	SampType: LCS	TestCode:	8015GAS_	WP Units: mg/L		Prep Da	te:		RunNo: 165	378	
Client ID: LCSW	Batch ID: E22VW098	TestNo:	EPA 8015E	3		Analysis Da	te: 9/1/202	2	SeqNo: 481	5912	
Analyte	Result	PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO Surr: Chlorobenzene - d5	1.351 49.045	0.050	1.000 50.00	0	135 98.1	69 69	143 130				
Sample ID: E220901MB	SampType: MBLK	TestCode:	8015GAS_	WP Units: mg/L		Prep Da	te:		RunNo: 165	378	
Client ID: PBW	Batch ID: E22VW098	TestNo:	EPA 8015E	3		Analysis Da	te: 9/1/202	2	SeqNo: 481	5913	
Analyte	Result	PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO Surr: Chlorobenzene - d5	ND 50.385	0.050	50.00		101	69	130				
		TestCode: 8015GAS_WP Units: mg/L		Prep Date:			RunNo: 165378				
Sample ID: N052369-001BMS	SampType: MS	TestCode:	8015GAS_	WP Units: mg/L		Prep Da	te:		RunNo: 165	378	
Sample ID: N052369-001BMS Client ID: ZZZZZZ	SampType: MS Batch ID: E22VW098		8015GAS_ EPA 8015E	-		Prep Da Analysis Da		2	RunNo: 165 SeqNo: 481		
		TestNo:	EPA 8015E	-	%REC		te: 9/1/202	2 RPD Ref Val			Qual
Client ID: ZZZZZZ	Batch ID: E22VW098	TestNo:	EPA 8015E	3	%REC 109 98.5	Analysis Da	te: 9/1/202		SeqNo: 481	5919	Qual
Client ID: ZZZZZZ Analyte GRO	Batch ID: E22VW098 Result 1.090	TestNo: PQL \$ 0.050	EPA 8015E SPK value 1.000 50.00	B SPK Ref Val	109	Analysis Da LowLimit 49	te: 9/1/202 HighLimit 156 130		SeqNo: 481	5919 RPDLimit	Qual
Client ID: ZZZZZ Analyte GRO Surr: Chlorobenzene - d5	Batch ID: E22VW098 Result 1.090 49.229	TestNo: PQL S 0.050 TestCode:	EPA 8015E SPK value 1.000 50.00	B SPK Ref Val 0 WP Units: mg/L	109	Analysis Da LowLimit 49 69	te: 9/1/202 HighLimit 156 130 te:	RPD Ref Val	SeqNo: 481 %RPD	5919 RPDLimit	Qual
Client ID: ZZZZZZ Analyte GRO Surr: Chlorobenzene - d5 Sample ID: N052369-001BMSD	Batch ID: E22VW098 Result 1.090 49.229 SampType: MSD	TestNo: PQL S 0.050 TestCode: TestNo:	EPA 8015E SPK value 1.000 50.00 8015GAS_	B SPK Ref Val 0 WP Units: mg/L	109	Analysis Da LowLimit 49 69 Prep Da	te: 9/1/202 HighLimit 156 130 te: te: 9/1/202	RPD Ref Val	SeqNo: 481 %RPD RunNo: 165	5919 RPDLimit	Qual
Client ID: ZZZZZZ Analyte GRO Surr: Chlorobenzene - d5 Sample ID: N052369-001BMSD Client ID: ZZZZZZ	Batch ID: E22VW098 Result 1.090 49.229 SampType: MSD Batch ID: E22VW098	TestNo: PQL S 0.050 TestCode: TestNo:	EPA 8015E SPK value 1.000 50.00 8015GAS_ EPA 8015E	B SPK Ref Val 0 WP Units: mg/L B	109 98.5	Analysis Da LowLimit 49 69 Prep Da Analysis Da	te: 9/1/202 HighLimit 156 130 te: te: 9/1/202	RPD Ref Val	SeqNo: 481 %RPD RunNo: 165 SeqNo: 481	5919 RPDLimit 378 5920	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out



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- Value above quantitation range Е
- R RPD outside accepted recovery limits

Calculations are based on raw values

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- Holding times for preparation or analysis exceeded Н
- S Spike/Surrogate outside of limits due to matrix interference

9/18/2022

CLIENT: Eurofins

Project:

N052369 Work Order:

INTERA-Red-Hill-Incident, 38000861

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WU

Sample ID: E220901LCS	SampType: LCS	TestCoo	de: 8015GAS_	WU Units: mg/L		Prep Da	ite:		RunNo: 165	378	
Client ID: LCSW	Batch ID: E22VW098	TestN	lo: EPA 8015E	3		Analysis Da	ate: 9/1/202	2	SeqNo: 481	5921	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO Surr: Chlorobenzene - d5	1.351 49.045	0.050	1.000 50.00	0	135 98.1	69 69	143 130				
Sample ID: E220901MB	SampType: MBLK	TestCoo	de: 8015GAS_	WU Units: mg/L		Prep Da	ite:		RunNo: 165	378	
Client ID: PBW	Batch ID: E22VW098	TestN	lo: EPA 8015E	3		Analysis Da	ate: 9/1/202	2	SeqNo: 481	5922	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO Surr: Chlorobenzene - d5	ND 50.385	0.050	50.00		101	69	130				
Sample ID: N052369-001BMS	SampType: MS	TestCoo	de: 8015GAS_	WU Units: mg/L		Prep Da	ite:		RunNo: 165	378	
	SampType: MS Batch ID: E22VW098		de: 8015GAS_ No: EPA 8015E	U U		•	ite: ite: 9/1/202	2	RunNo: 165 SeqNo: 481		
Sample ID: N052369-001BMS Client ID: ZZZZZ Analyte			lo: EPA 8015E	U U	%REC	•	nte: 9/1/202	2 RPD Ref Val		5928	Qual
Client ID: ZZZZZZ	Batch ID: E22VW098	TestN	lo: EPA 8015E	3	%REC 109 98.5	Analysis Da	nte: 9/1/202		SeqNo: 481	5928	Qual
Client ID: ZZZZZZ Analyte GRO	Batch ID: E22VW098 Result 1.090	TestN PQL 0.050	No: EPA 8015E SPK value 1.000 50.00	3 SPK Ref Val	109	Analysis Da LowLimit 49	tte: 9/1/202 HighLimit 156 130		SeqNo: 481	5928 RPDLimit	Qual
Client ID: ZZZZZZ Analyte GRO Surr: Chlorobenzene - d5	Batch ID: E22VW098 Result 1.090 49.229	TestM PQL 0.050 TestCoo	No: EPA 8015E SPK value 1.000 50.00	SPK Ref Val 0 WU Units: mg/L	109	Analysis Da LowLimit 49 69 Prep Da	tte: 9/1/202 HighLimit 156 130	RPD Ref Val	SeqNo: 481 %RPD	5928 RPDLimit	Qual
Client ID: ZZZZZZ Analyte GRO Surr: Chlorobenzene - d5 Sample ID: N052369-001BMSD	Batch ID: E22VW098 Result 1.090 49.229 SampType: MSD	TestM PQL 0.050 TestCoo	No: EPA 8015E SPK value 1.000 50.00 de: 8015GAS_ No: EPA 8015E	SPK Ref Val 0 WU Units: mg/L	109	Analysis Da LowLimit 49 69 Prep Da	HighLimit HighLimit 156 130 tte: 9/1/202	RPD Ref Val	SeqNo: 481 %RPD RunNo: 165	5928 RPDLimit	Qual

Qualifiers:

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- DO Surrogate Diluted Out



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- Value above quantitation range Е
- R RPD outside accepted recovery limits Calculations are based on raw values

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- Holding times for preparation or analysis exceeded Н
- S Spike/Surrogate outside of limits due to matrix interference

CHAIN OF CUSTODY RECORD

о Фр	eur	ofins _			CH	IAI	N C)F C	:US	STC	D	YR	ECO	OR	D					
		ΗE	aton Analytical	EUROFINS EATON ANALY	TICAL	USE OI	JLY:													
				LOGIN COMMENTS:					_			SAN	IPLES C	HECK	KED A	۱GAI	NST CO	DC BY:		
		Oaks Drive, S CA 91016-362									_			SAN	IPLE	S LO	GGED	IN BY:		
				SAMPLE TEMP RECEIV	ED AT:			, TR	#3			S	AMPLES	REC'I	DAY	(OF (COLLEO	CTION?	(check for y	/es)
		6 386 1100 386 1101		Colton / No. California	a / Arizo	ona	4.1	•C	(Con	nplianc	e: 4 ±	±2°C)			_	24	- 10- 1	1 98,7	>	
		ABS (800 566	5007)	Monrovia				°C	(Con	nplianc	e: 4 ±	±2°C)			YE	Ve	K 4	29812		
800	300 L	AB3 (800 300	5221)	CONDITION OF BLU														No Ice _		
		-		METHOD OF SHIP	MENT:	Pick-U	Jp / W	/alk-In /	Fede	2 / UF	PS /	DHL /	Area Fas	st / To	op Lir	ne /	Other:			
TO BE (COMPLE	TED BY SAMPLE	R:									(che	eck for ye					· · ·	check for yes)	
COMP	ANY/AG	SENCY NAME:		PROJECT CODE:														SAMPLE	is 🔀	
	F	ionolulu Board of	Water Supply	RED	HILL							e forms						DLVED:		_
EEA CI	IENT C	NODE:	COC ID:	SAMPLE GROUP:															Phase V, NPDES, FD heck for yes), 0	_
		IOLULU		MW - INTERA	Albuque	eraue +													t for each sam	- 1
			_I ce only: RUSH	STD 1 wk 3 day		-	dav								DOLL				TUI CACII SAII	ihie
TAT seq	uested:	rush by adv notic			<u>, </u>	· ·		ē					<u>to:</u> Asset I		ories					
								TPH 8015 Diesel and Motor	<u> </u>				Vest Post F gas NV 891							
ATE	IME					L ₹	L. ₹	and	Blan			702-30	7-2659					5	SAMPLER	
E D	L I	SA	MPLE ID	CLIENT LAB ID	MATRIX *	IELD DATA	FIELD DATA	ese	avel				/larlon Carl @assetlat		es.con	n		C	OMMENTS	
SAMPLE DATE	SAMPLE TIME				MA	빌		12 Di	8015 Gas Travel Blank	5			-							
° I								H 80	15 G	8015 Gas		<u>Bill a</u>	nd Rep	ort to	EEA	<u>Mo</u>	<u>nvovia</u>	ρ	not the	
						<u> </u>					$\left \right $					\rightarrow		•	<u> </u>	
3)30Ju	090	N0	52369-01	BWS2253-J1-AQ	RGW			4	2	4						\rightarrow			8000 86	<u></u>
			-02	BWS2253-J1-TB	BW													Pro	vided by EEA	
					<u> </u>															
									++	-				┼┤						
				IDettle Cine					++					╀╌┨		-+				-
				[Bottle Size																
* MA1	RIX T	YPES: RSW :	= Raw Surface Water	CFW = Chlor(am)inat	ed Finis	shed W	ater	SEAW	l = Sea	a Wate	r B	W = Bo	ttled Wat	ter	SO =	Soil		0 = Othe	r - Please Ider	itify
		RGW	= Raw Ground Water	FW = Other Finished				WW =	Waste	e Wate	r S		orm Wate		SL =	Sludg	ge			
SAMPLE	ZRV-	s	IGNATURE			RINT NA							ANY/TITLE				1	DATE	TIME	7
	112		7-			vin Goo						· .	d / Senio	-	-		<u>C</u>	1;	0900	,
RELINQU	-		in		Ke	vin Goo	ding		[11	NIERA		rporate	d / Senio	r Hydr	ogeol	ogis	<u> </u>	w/ 25	1100	
RELINQU	. .	1-921			Ele.	nF	gref	20								\dashv	8/3	1/22	0945	
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RECEIVE	U BY:																			
																		PAG	E1_OF_1	

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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/Oper	ned On:	8/31/2022				Workorder:	N052369		
Rep sample Temp (De	eg C):	4.1				IR Gun ID:	3		
Temp Blank:		🗌 Yes	✓ No						
Carrier name:		FedEx							
Last 4 digits of Trackir	ng No.:	9812			Packing	Material Used:	Bubble Wrap		
Cooling process:		✓ Ice	Ice Pack	Dry Ice	Other	None			
			Sa	ample Receij	ot Checklis	t			
1. Shipping container/	cooler in go	od conditio				Yes 🗹	No 🗌	Not Present	
2. Custody seals intac	t, signed, d	ated on shi	ppping container/	cooler?		Yes	No 🗌	Not Present	\checkmark
3. Custody seals intac	t on sample	bottles?				Yes	No 🗌	Not Present	\checkmark
4. Chain of custody pr	esent?					Yes 🗹	No 🗌		
5. Sampler's name pre	esent in CO	C?				Yes 🗹	No 🗌		
6. Chain of custody sig	gned when	relinquishe	d and received?			Yes 🗹	No 🗌		
7. Chain of custody ag	grees with s	ample label	s?			Yes 🗹	No 🗌		
8. Samples in proper of	container/bc	ottle?				Yes 🗹	No 🗌		
9. Sample containers i	intact?					Yes 🗹	No 🗌		
10. Sufficient sample	volume for i	ndicated te	st?			Yes 🗹	No 🗌		
11. All samples receive	ed within ho	olding time?	,			Yes 🗹	No 🗌		
12. Temperature of rep	p sample or	Temp Blar	nk within acceptat	ole limit?		Yes 🗹	No 🗌	NA	
13. Water - VOA vials	have zero ł	headspace?	?			Yes 🗹	No 🗌	NA	
14. Water - pH accept		-				Yes	No 🗌	NA	\checkmark
Example: pH > 1									
15. Did the bottle label						Yes 🗹	No 🗌	NA	
16. Were there Non-C		e issues at s Client noti	-			Yes 🗌 Yes 🗌	No 🗌 No 🗌	NA NA	\checkmark
Comments: Sample	2: Same co	ollection da	te and time of the	associated field s	ample (sample	e 1).			

Checklist Completed By:

For: Y 9/6/2022 EF

Reviewed By:

9/6/202

ASSET Laboratories

WORK (ORDER Summary					06-Sep-22 WorkOrd	er: N052369
Client ID: Project: Comments:	EUROF01 INTERA-Red-Hill-Incide	nt, 38000861	QC Lev	el: RTNE		Date Received:	8/31/2022 9:45 AM
Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld MS Sub Storage
N052369-001A	BWS2253-J1-AQ (380- 19691-1)	8/30/2022 9:00:00 AM	9/2/2022	Raw Groundwater	EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	ww
			9/2/2022		EPA 8015B(M)	TPH Carbon Chain EPA 8015	WW
N052369-001B			9/2/2022		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	
N052369-002A	BWS2253-J1-TB (380-19691 2)	-	9/2/2022	Bottled Water	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	
N052369-003A	FOLDER	9/2/2022	9/2/2022		Folder	Folder	
			9/2/2022		Folder	Folder	

Page 1 of 1



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CHAIN OF CUSTODY RECORD		SAMPLES CHECKED AGAINST COC BY:	SAMPLES LOGGED IN BY: JS	TO # 3 SAMPLES REC'D DAY OF COLLECTION? (check for yes)	"℃ (Compliance: 4±2°C)	C (Compliance: 4±2°C)	Partially Frozen Thawed Wet Ice No Ice	METHOD OF SHIPMENT: Pick-Up / Walk-In / Edet / UPS / DHL / Area Fast / Top Line / Other:	ick for yes)		- Requires state forms REGULA I ION INVOLVEU: Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (e. SDWA, Phase V, NPDES, FDA)	SEE ATTACHED BOTTLE ORDER FOR ANALYSES X (check for yes), OR	list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample	Sint to Asset Laboratories	· · · · · · · · · · · · · · · · · · ·	COMMENTS COMMENTS COMMENTS COMMENTS COMMENTS COMMENTS	Bill and Report to EEA-Monvovia	Ē	Provided by EEA		1 oc: 380	19691		SEAW = Sea Water BW = Bottled W O = Other - Please Identify WW = Water SW = Storm Wa.	DATE	INTERA Incorporated / Senior Hydrogeologis 2) 2 20	INTERA Incorporated / Senior Hydrogeologis 劣 かど とく しじン	DB1/22 0945		PAGE 1 OF 1
IN OF	:X NO				4		zen	«-Up / Walk				Ť		1 day		ATAQ QJE									PRINT NAME	Kevin Gooding	Kevin Gooding	Faren	•	
CHA	CAL USE) AT:	Arizona		ICE: Fro	ENT: Pici			H		pndnerque	X_ 2 day	-	* XISTAN ATAG GJE		RGW	BW					l Finished fater	PRINT	Kevin (Kevin (Elen		
-	EUROFINS EATON ANALYTICAL USE ONLY:	LOGIN COMMENTS:		SAMPLE TEMP RECEIVED AT:	Colton / No. California / Arizona	Monrovia	CONDITION OF BLUE ICE: Frozen	ETHOD OF SHIPM		PROJECT CODE:	גבם אורר	SAMPLE GROUP:		1 wk 3 day _X		CLIENT LAB ID		BWS2253-J1-AQ	BWS2253-J1-TB				[Bottle Size	CFW = Chlor(am)inated Finished Water FW = Other Finished Water				~		_
	EUROFI	LOGIN		SAMPL	Ö	Mor	Ö	M		PRC		SAN		ers.		CL		BW	BW											
	Eaton Analytical	L	ite 100			100	(177		_		Vater Supply	coc ID:		only: RUSH		SAMPLE ID		N052369-01	-02					9691 COC Surface Water	SIGNATURE		5			
🚓 eurofins	Eat		750 Royal Oaks Drive, Suite 100	2702-010 P	Phone: 626 386 1100 Fax: 626 386 1101		800 200 LABS (800 200 222/)		TO BE COMPLETED BY SAMPLER:	COMPANY/AGENCY NAME:	Honolulu Board of Water Supply		5	TAT requested: rush by adv notice only: RUSH		SAM		NO5	1001			20 20		380-1			5	1401	~ ~ ~	
eurc			Royal	Trovia, v	ne: 626 : 626 35		566 LA		COMPLET	ANY/AGE	H	EEA CI IENT CODE	HON	luested: r		ЭМП ЭЈЯ	MAR	040						* MATRIX TY	`	V		ED BY: 🎸	RELINQUISHED BY	
0 0			750		Phc Fax		800		TO BF (COMP			5	TAT req		ELE DATE	MA2	a velu						* MA		SAMPLE	RELINQU	RECEIVED BY:	RELINQUISHED	RECEIV

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ovia, CA (Suite 100)	yal Oaks Drive Suite 100
Monrovia	750 Royal Oał

Chain of Custody Record



	Environment Testing	America
fine	2	
S PULU		

Monrovia, CA 91016 Phone: 626-386-1100								
Client Information (Sub Contract Lab)	Sampler.			Lab PM Tran, Anh		Carrier Tracking No(s)	Vo(s). COC No 380-20751.1	
1	Phone			E-Mail: anh tran@	E-Mail: anh tran@ et eurofrasus com	State of Origin Hawaii	Page' Page 1 of 1	
Comprovements Company Accore Inc				Accret	Accreditations Required (See note) [.] State - Hawaii State - Hawaii (Micro)		1 00 # 00 1 380-1068-1	
Address 45-533 Kamehameha Hwv Room #104.	Due Date Requested: 9/13/2022				Analvsis F	Analvsis Requested	Preservation Codes	
City: Kane'ohe	TAT Requested (days):				spil		A - HCL B - NaOH C - Zn Acetate	
State, Zp. HI, 96744	1						D - Nitric Acid E - NaHSO4	
Phone.	# Od			16			6 - Amchlor 6 - Amchlor 1 H - Ascorbic Ac	
Email	:# OM				r Feca mrotilo			
Project Name HWRF	Project # 38000772			وجنوب فيلاح	ert 18h ecal Co		L-EDA	Y - Trizma Z - other (specify)
Site: City of Honolulu (HWRF)	SSOW#			<u>nmisë</u>	18hr F		Other:	
				Matrix = 1 (w=water, = 1 S=solid, = 0 0=waste/oli, = 1	(SM 9223B B - Colilert (Settleable		កំណើរ) ត	
Sample Identification - Client ID (Lab ID)	Sample Date	Time G) <u>(tu</u>	8726 808			Special Instructions/Note:
R1 UV Channel (380-19688-1)	9/3/22 0	07:18		Water	×		See Attached Instructions	Instructions
R1 UV Channel Dup (380-19688-2)	9/3/22 Ha	07:19 Hawalian		Water	×		See Attached Instructions	Instructions
2 RO Product Tank (380-19688-3)	9/3/22 Ha	07:12 Hawaijan		Water	×		See Attached Instructions	Instructions
R1 Transfer (380-19688-4)	9/3/22 Ha	07:15 Hawailan		Water	×		See Attached Instructions	Instructions
	2	3						
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 mantain accreditation in the State of Origin listed above for analysis/tests/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 be be brought be brought be brought be be be be be b	Analytical, LLC places the own s/tests/matrix being analyzed, t editations are current to date,	lership of met the samples n return the sig	thod, analyte 8 nust be shippe ned Chain of (k accreditation comp ad back to the Eurol Sustody attesting to	liance upon out subcontract laborato ins Eaton Analytical, LLC laboratory c said complicance to Eurofins Eaton <i>i</i>	ries. This sample ship or other instructions will Analytical, LLC.	ment is forwarded under chain-of-custo be provided. Any changes to accredit	dy. If the laboratory does not ation status should be brought
Possible Hazard Identification				S	Sample Disposal (A fee may be assessed if samples ar	e assessed if san	nples ar e retained longer than 1 month)	an 1 month)
Unconfirmed					Return To Client	Disposal By Lab	b Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Rank: 2		Ś	Special Instructions/QC Requirements	ents:		
Empty Kit Relinquished by:	Date:	е:		Time:		Method of Shipment	Shipment	
Relinquished by:	Date/Time:		Ō	Company	Received by		Date/Time.	Company
Relinquished by.	Date/Time		Ö	Company	Received by:		Date/Time	Сотралу
	_		-		_	_		_

Company

Date/Time

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W + F .

Cooler Temperature(s) °C and Other Remarks;

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Received by:

Company

Date/Time:

-

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Custody Seal No.

Client: City & County of Honolulu

Login Number: 19691 List Number: 1 Creator: Sanchez, Joseph G

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and 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	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Job Number: 380-19691-1

List Source: Eurofins Eaton Monrovia