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Environment Testing America

ANALYTICAL REPORT

Eurofins Eaton Monrovia

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

Laboratory Job ID: 380-22202-1 Client Project/Site: RED-HILL

For:

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

Attn: Mr. Erwin Kawata

tæðhur L

Authorized for release by: 10/26/2022 5:57:39 PM Kathleen Robb, Client Program Manager (949)261-1022 Kathleen.Robb@et.eurofinsus.com

Designee for

..... LINKS

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

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)

Kathleen Robb Client Program Manager 10/26/2022 5:57:39 PM

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Qualifiore

Qualifiers		3
Subcontract		
Qualifier	Qualifier Description	
U	This analyte was not detected.	
Glossary		5
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	0
CNF	Contains No Free Liquid	0
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	9
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)	13
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	

Job ID: 380-22202-1

Laboratory: Eurofins Eaton Monrovia

Narrative

Job Narrative 380-22202-1

Case Narrative

Comments

No additional comments.

Receipt

The sample was received on 9/28/2022 9:50 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.4° C.

Subcontract non-Sister

See attached subcontract report.

Subcontract Work

Method 8015 Ethanol: This method was subcontracted to EMAX Laboratories Inc. The subcontract laboratory certification is different from that of the facility issuing the final report.

Job ID: 380-22202-1

Detection Summary

Client Sample ID: MOANALUA WELLS

No Detections.

This Detection Summary does not include radiochemical test results.

6

Lab Sample ID: 380-22202-1 **Client Sample ID: MOANALUA WELLS** Date Collected: 09/26/22 10:00 Matrix: Water Date Received: 09/28/22 09:50 Method: 8015 Ethanol - SW846 8015B Gasoline Range Organics Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 2000 ETHANOL ND U ug/L 09/30/22 14:00 1

Job ID: 380-22202-1

Method: 8015 Ethanol - SW846 8015B Gasoline Range Organics

Lab Sample ID: 22MEI004WB Matrix: WATER Analysis Batch: 22MEI004W									Clie	ent Sam	ple ID: Metho Prep Type: T		Ì
	MB	MB											
Analyte	Result	Qualifier		RL	I	MDL	Unit	D	P	repared	Analyzed	Dil Fac	
ETHANOL	ND	U		2000		ī	ug/L				09/30/22 11:57	1	
Lab Sample ID: 22MEI004WL Matrix: WATER Analysis Batch: 22MEI004W								Clien	t Sai	mple ID:	Lab Control Prep Type: T		Ì
			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Quali	fier	Unit	D	%Rec	Limits		
ETHANOL			10000		10500			ug/L		105	60 - 130		

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

Subcontract

Analysis Batch: 22MEI004W

Lab Sample ID 380-22202-1	Client Sample ID	Prep Type Total/NA	Matrix Water	Method 8015 Ethanol	Prep Batch
22MEI004WB	Method Blank	Total/NA	WATER	8015 Ethanol	
22MEI004WL	Lab Control Sample	Total/NA	WATER	8015 Ethanol	

. . .

Matrix: Water

Lab Sample ID: 380-22202-1

Client Sample ID: MOANALUA WELLS Date Collected: 09/26/22 10:00 Date Received: 09/28/22 09:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	8015 Ethanol		1	22MEI004W	ASitu		09/30/22 14:00

Laboratory References:

= EMAX Laboratories Inc, 3051 Fujita Street, Torrance, CA 90505

Method Summary

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

10

Method	Method Description	Protocol	Laboratory
8015B	SW846 8015B Gasoline Range Organics	SW846	

Protocol References:

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

Laboratory References:

= EMAX Laboratories Inc, 3051 Fujita Street, Torrance, CA 90505

Sample Summary

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

Lah Camula ID		Mathia	O alla ata d	Dessived	
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
380-22202-1	MOANALUA WELLS	Water	09/26/22 10:00	09/28/22 09:50	



LABORATORIES, INC.

3051 Fujita Street Torrance, CA 90505 Tel: (310)-618-8889

Date: 10-17-2022 EMAX Batch No.: 22I350

Attn: Jackie Contreras

Eurofins Eaton Analytical 750 Royal Oaks Dr., Suite 100 Monrovia, CA 91016-3629

Subject: Laboratory Report Project: 380-22202

Enclosed is the Laboratory report for samples received on 09/29/22. The data reported relate only to samples listed below :

Sample ID	Control # Col Date	Matrix	Analysis
380-22202-1	1350-01 09/26/22	WATER	ETHANOL

The results are summarized on the following pages.

Please feel free to call if you have any questions concerning these results.

Sincerely yours,

Uphenpe For CP

Caspar Å Pang Laboratory Director

This report is confidential and intended solely for the use of the individual or entity to whom it is addressed. This report shall not be reproduced except in full or without the written approval of EMAX.

EMAX certifies that results included in this report meets all TNI & DOD requirements unless noted in the Case Narrative.

NELAP Accredited Certificate Number CA002912022-22 ANAB Accredited DoD ELAP and ISO/IEC 17025 Certificate Number L2278 Testing California ELAP Accredited Certificate Number 2672

Custody Seals Intact: Custody Seal No.: REPORTID: 221350	Relinquished by:	Relinquished by:	Empty Kit Relinquished by:	Deliverable Requested: I, II, III, IV, Other (specify)	Possible Hazard Identification	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/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 to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Eaton Analytical, LLC.				MOANALUA WELLS (380-22202-1)		Sample Identification - Client ID (Lab ID)	Site: Honolulu BWS Sites	Project Name: RED-HILL	Email:	Phone:	State, Zip: CA, 90505	City: Torrance	Address: 3051 Fujita Street, ,	Company: EMAX Laboratories Inc		Client Information (Sub Contract Lab)	750 Royal Oaks Drive Suite 100 Monrovia, CA 91016 Phone: 626-386-1100	1 2 3 4 5 6 7 8 0 Monrovia, CA (Suite 100) 7 8 0
	Date/Time:	DateTime:		Primary Deliverable Rank: 2		alytical, LLC places the sts/matrix being analy itations are current to r				9/26/22		Sample Date	SSOW#:	Project #: 38001111	WO #:	PO #:		TAT Requested (days):	Due Date Requested: 10/12/2022		Phone:	Sampler:	0	10 11
		Ì	Date:	able Rank: 2		ownership of a zed, the sample date, return the				10:00 Hawaiian		Sample Time						ays):	ed:				hain c	12
		12:25		2		method, analyte es must be ship signed Chain o					12/10/00/21												of Cust	13 14
	Company	Company Company				 & accreditation opped back to the E Custody attesting 				Water	align code X	(W=water, S=solid, O=waste/oil, BT=Tissue, A=Alr)		sie (Ye	SOL	[0]]				Ac St	E-Mait: Rachell	Lab PM: Arada,	Chain of Custody Record	
Cooler Te	Received by:	Received by:	Time:	Special Inst	Sample Disposal (ompliance upor urofins Eaton A g to said compl				×	X	Perform MS/I SUB (8015 Eth	100000000000000000000000000000000000000		and retrones					Accreditations Required (See State - Hawaii	E-Mail: Rachelle.Arada@et.eurofinsus.com	Rachelle	cord	
Cooler Temperature(s) °C and Other Remarks:	by:	by: Alba	2,5	Special Instructions/QC Requirements:		h out subcontra Inalytical, LLC I Icance to Eurof													Ana	luired (See note):	eurofinsus.		054377	
C and Other R		n K		Requireme	e may be a	ct laboratories. aboratory or ot ins Eaton Anal		 ς									-		Analysis Rec	e);			05e	
-			Method		assessed if sam, Disposal By Lab	This sample s her instructions ytical, LLC.													Requested		State of Origin: Hawaii	Carrier Tracking No(s):		
S	Date/Time:	Date/Time:	Method of Shipment:		samples ar Lab	hipment is forw will be provided																ig No(s):		
Pad		1/2 (2:25			A fee may be assessed if samples ar e retained longer than 1 ent Disposal By Lab Archive For	arded under chain-of-custody. 1 3. Any changes to accreditation				See Attached Instructions		Total Numbe Special Ins	co Otner:		I - Ice J - Di Water	loid		B - NaOH C - Zn Acetate	ion Cod	Job #: 380-22202-1	Page: Page 1 of 1	COC No: 380-22450.1	euronns	••••
Page 2 of 13	Company	Company			Months	If the laboratory does not status should be brought				uctions	CONTRACTOR STATES AND ADDRESS OF THE OWNER OF	pecial Instructions/Note:		Y - Trizma Z - other (specify)	V - MCAA W - pH 4-5	S - H2SO4 T - TSP Dodecahydrate	Q - Na2SO3 R - Na2S2O3	N - NOTE O - AsNaO2 P - Na2O4S	M - Hexane				Environment Testing America	

REFERENCE: EMAX-SM02 Rev. 12 SAMPLE RECEIPT FORM 1

~

Type of D	elivery	Airbill	/ Tracking Number	ECN 222350	
Fedex UPS GSO		7.000		Recipient Man Ram	4
EMAX Courier Client Deli	1			Date 9/29/22	Time - 50- 122
			NUTLING AND		16115122 5
COC INSPECTION	Client PM/FC	□ Sampler Name	e Sampling Date/Time	Z Sample ID	Matrix
Address	Tel # / Fax #	Courier Signat		□ Preservative (if any)	PTAT 6
1 · · ·		/			
Safety Issues (if any)	□ High concentrations exp	ected 🛛 From Superfur	na Sne 🗆 Rad screening required	·	
Note:					
	·····			in a second s	
PACKAGING INSPECTION					8
Container •	Cooler .	🗆 Box	Other		
Condition	Custody Seal	□ Intact	Damaged		
Packaging	Bubble Pack	Styrofoam	Popcorn	Sufficient	
Temperatures		Cooler 2°C	Cooler 3°C	Cooler 4°C	Cooler 5°C
(Cool, ≤6 °C but not frozen)	Cooler 6 °C	Cooler 7°C	Cooler 8°C	Cooler 9°C	Cooler 10°C
Thermometer:	A - S/N	B-S/N 21074	0237 C-S/N	D S/N 210760272	
Comments:	ut of range. PM was inform	ed IMMEDIATELY.	· · · · · · · · · · · · · · · · · · ·		
Note:		1			10
		بر 			12
DISCREPANCIES	and the second second				10
LabSampleID	LabSampleContainerID	Code ClientS	ample Label ID / Information	Corrective	Action 13
Carrow and the second se					2
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-	7				
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			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
□ of helding time requirement	at for water camples is 15 m	vine Water camples for a	pH analysis are received beyond 1.	S minutes from campling time	
L pri noiding time requirementer	in for water samples is 15 fr	inis. water samples for p	pri analysis are received beyond r.	infinites from sampling time.	. , , ,
NOTES/OBSERVATIONS	; 				
SAMPLE MATRIX IS DRINKING	G WATER? □ YES □ NO				
	*	-			
LEGEND:				Continue to next pa	ge.
Code Description-Sample Mar	nagement	Code Description-Sam	ple Management	Code Description-Sample Man	agement
D1 Analysis is not indicated in	n	D13 Out of Holding Ti	me .	R1 Proceed as indicated in CC	C 🗆 Label -
D2 Analysis mismatch COC v	s label	D14 Bubble is >6mm		R2 Refer to attached instruction	
D3 Sample ID mismatch COC	C vs label	D15 No trip blank in co	ooler	R3 Cancel the analysis	
D4 Sample ID is not indicated	l in	D16 Preservation not in	ndicated in	R4 Use vial with smallest bubble	first
D5 Container -[improper] [lea	king] (broken]	D17 Preservation mism	natch COC vs label	R5 Log-in with latest sampling da	ate and time+1 min
D6 Date/Time is not indicated	1 in	D18 Insufficient chemi	ical preservative	R6 Adjust pH as necessary	
D7 Date/Time mismatch COC	C vs label	D19 Insufficient Sample	le	R7 Filter and preserved as necess	
D8 Sample listed in COC is no		D20 No filtration info	for dissolved analysis	R8	
D9 Sample received is not list	ed in COC	D21 No sample for mois	ture determination		
D10 No initial/date on correction	ons in COC/label	D22	·	R10	ir
D11 Container count mismatch	0	D23		R11	
D12 Container size mismatch C		J ²⁴		R12	A II
REVIEWS:	JHOWIN	51.1	(lestin)		Mb.
Sample Labelin		in the	SRF Stage		
	te arahr 729		Date 7/09/0.2		
REPORT ID: 2213	50 E	MAX Laboratorie <b>Page</b>	≥0 <b>15 № 1</b> 20 <b>15 № 1</b> ; <b>29</b> 1., Torrance, CA 905	Pa	ge 3 96/26/2022

#### **REPORTING CONVENTIONS**

#### DATA QUALIFIERS:

Lab Qualifier	AFCEE Qualifier	Description
J	F	Indicates that the analyte is positively identified and the result is less than RL but greater than MDL.
N		Indicates presumptive evidence of a compound.
В	В	Indicates that the analyte is found in the associated method blank as well as in the sample at above QC level.
E	J	Indicates that the result is above the maximum calibration range or estimated value.
*	*	Out of QC limit.

Note: The above qualifiers are used to flag the results unless the project requires a different set of qualification criteria.

#### ACRONYMS AND ABBREVIATIONS:

CRDL	Contract Required Detection Limit
RL	Reporting Limit
MRL	Method Reporting Limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
DO	Diluted out

#### DATES

The date and time information for leaching and preparation reflect the beginning date and time of the procedure unless the method, protocol, or project specifically requires otherwise.

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

380-22202

METHOD SW8015C ALCOHOLS BY GC

SDG#: 221350

#### CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 380-22202

SDG : 22I350

#### METHOD SW8015C ALCOHOLS BY GC

One(1) water sample was received on 09/29/22 to be analyzed for Alcohols by GC in accordance with Method SW8015C and project specific requirements.

Holding Time The sample was analyzed within the prescribed holding time.

Calibration

Multi-calibration points were generated to establish initial calibration (ICAL). ICAL was verified using a secondary source (ICV). Continuing calibration (CCV) verifications were carried out on a frequency specified by the project. All calibration requirements were within acceptance criteria. Refer to calibration summary forms of ICAL, ICV and CCV for details. MRL was analyzed as required by the project. Refer to MRL summary form for details.

Method Blank Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. MEI004WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of LCS/LCD was analyzed. MEI004WL/MEI004WC were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample No matrix QC sample was provided on this SDG. Ethanol was within MS QC limits in I334-01M/I334-01S. Refer to Matrix QC summary form for details.

Sample Analysis The sample was analyzed according to prescribed analytical procedures. Results were evaluated in accordance to project requirements. For this SDG, all quality control requirements were met.

ш	g
NICL	ВΥ
CHRO	STOH
LAB	ALCO

Project : 380	Cilent : EUKUFINS EAIUN ANALTIIUAL Project : 380-22202						Instrument	Instrume	Justrument ID : GCT050
				WATER	R				
Client	Laboratory	aboratory Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	Sample ID	Factor	Moist	DateTime	DateTime	Data FN	Data FN	Batch	Notes
		1	8 8 8 8						
MRI K1U	MEIOD4WB	-	NA	09/30/2211:57	NA	T130005A	TI30003A	ME I 004W	Method Blank
14	MEI 004ML	-	NA	09/30/2212:11	NA	T130006A	T130003A	ME I 004W	Lab Control Sample (LCS)
L CD 1M	MEI 004WC		NA	09/30/2212:25	NA	T130007A	T130003A	ME I 004W	LCS Duplicate
380-22202-1	1350-01	-	NA	09/30/2214:00	NA	T130012A	T130003A	ME I 004M	Field Sample

FN - Filename % Moist - Percent Moisture

**REPORT ID: 221350** 

# SAMPLE RESULTS

12

METHOD SW8015C ALCOHOLS BY GC

Client ; EUROFINS EATON ANALYTICAL		Date Collected	: 09/26/22
Project : 380-22202		Date Received	: 09/29/22
Batch No. : 221350		Date Extracted	: NA
Sample ID: 380-22202-1		Date Analyzed	: 09/30/22 14:00
Lab Samp ID: I350-01		Dilution Factor	: 1
Lab File ID: TI30012A		Matrix	: WATER
Ext Btch ID: MEI004W		% Moisture	: NA
Calib. Ref.: TI30003A		Instrument ID	: GCT050
	05011 70		NDI
	RESULTS	RL.	MDL
PARAMETERS	(ug/L)	(ug/L)	(ug/L)
ETHANOL	ND	2000	500

RL : Reporting Limit

# **QC SUMMARIES**

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METHOD SW8015C ALCOHOLS BY GC

Client : EUROFINS EATON ANALYTICAL		Date Collected: NA
Project : 380-22202		Date Received: NA
Batch No. : 221350		Date Extracted: NA
Sample ID: MBLK1W		Date Analyzed: 09/30/22 11:57
Lab Samp ID: MEI004WB		Dilution Factor: 1
Lab File ID: TI30005A		Matrix : WATER
Ext Btch ID: MEI004W		% Moisture : NA
Calib. Ref.: TI30003A		Instrument ID : GCT050
***************************************		
	RESULTS	RL MDL
PARAMETERS	(ug/L)	(ug/L) (ug/L)
ETHANOL	ND	2000 500

RL : Reporting Limit

CLIENT: PROJECT: BATCH NO.: METHOD:	EUROFINS EATON 380-22202 221350 METHOD SW80150										=
MATRIX: DILUTION FACTOR: SAMPLE ID:	WATER 1 MBLK1W	1	1		% MOIS	TURE :	NA				
LAB SAMP ID:	MEI004WB	MEI004WL	ME I 0041	чС							
LAB FILE ID:	TI 30005A	TI30006A	TI30007	7A							
DATE EXTRACTED:	NA	NA	NA			OLLECTED:	NA				
DATE ANALYZED:	09/30/2211:57	09/30/2212:1	1 09/30/2	2212:25	DATE R	ECEIVED:	NA				
PREP. BATCH:	MEI004W	ME I 004W	ME I 0041	4							
CALIB. REF:	TI30003A	TI30003A	TI30003	3A							
ACCESSION:											
	BL	NK RSLT SPI	KE AMT E	3S RSLT	BS	SPIKE AMT	BSD RSLT	BSD	RPD	QC LIMIT	MAX RPD
PARAMETER		(ug/L) (u	g/L)	(ug/L)	% REC	(ug/L)	(ug/L)	% REC	(%)	(%)	(%)
Ethanol		ND	10000	10500	105	10000	11200	112	6	60-130	30

CLIENT: PROJECT: BATCH NO.: METHOD:	EUROFINS EATO 380-22067 221334 METHOD SW8015		AL								-
MATRIX: DILUTION FACTOR: SAMPLE ID:		1	1		% MOI	STURE:	NA				
LAB SAMP ID:	380-22067-1 1334-01	1334-01M		334-01s							
LAB FILE ID: DATE EXTRACTED:	TI30008A NA	T I 30009A NA	T N	130010A A	DATE	COLLECTED:	09/26/22				
DATE ANALYZED: PREP. BATCH: CALIB. REF:	09/30/2212:40 MEI004W TI30003A		13:11 0 M	9/30/2213:26 E1004W I30003A		RECEIVED:	09/28/22				
ACCESSION:											
PARAMETER	SI	MPL RSLT (ug/L)	SPIKE A (ug/L)	MT MS RSLT (ug/L)	MS % REC	SPIKE AMT (ug/L)	MSD RSLT (ug/L)	MSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
Ethanol		ND	100	00 10500	105	10000	9650	97	9	60-130	30

Monrovia, CA (Suite 100)

# **Chain of Custody Record**

🔆 eurofins

Environment Testing America

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

Client Information	Sampler: NISHIKAW	IK		Lab F Arac	PM: da, Ra	chelle	e				Car	rier Track	ng No(s	):		COC No: 380-15918-4215	i.1
Client Contact Dr. Ron Fenstemacher	Phone:			E-Ma	ril:	Arada@et.eurofinsus.com				n:			Page: Page 1 of 1				
Company:			PWSID:	1140	inclie./	laua	Wer.eu									Job #:	
City & County of Honolulu Address:	Due Date Requeste	ed:			1.10		TT		Analy		leque	stea	1	1 1		Preservation Cod	les'
630 South Beretania Street Chemistry Lab						10.11										A - HCL	M - Hexane
City: Honolulu	TAT Requested (da	ays):														B - NaOH C - Zn Acetate	N - None O - AsNaO2 P - Na2O4S
State, Zip: HI, 96843	Compliance Projec	t: ∆Yes	A No									11				D - Nitric Acid E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3
Phone: 808-748-5091(Tel)	PO#: C20525101 exp	05312023			()	1 miles										G - Arnchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate U - Acetone
Email: RFENSTEMACHER@hbws.org	WO#:				No)	lo									2	I - Ice J - Di Water	V - MCAA W - pH 4-5
Project Name: RED-HILL	Project #: 38001111				BeV) 8	Ethan									containe	K - EDTA L - EDA	Y - Trizma Z - other (specify)
Site: Hawaii	SSOW#:				Sample (Yes or No)	- 8015									of can	Other:	
Sample Identification	Sample Date	Sample Time		Matrix (W=wator, S=solid, O=waste/oil, BT=Tissuo, A=Air tion Code;	eld Filtered	3 SUBCONTRACT - 8015 Ethanol									Total Number of	Special Ir	nstructions/Note:
MOANALUA WELLS (331-223-TP202)	09/24/22	Iau	2	Water	ff	VR			-		-		-		1		
HALAWA SHAFT VIEW POOL (331-241-TP401)	Union of	1000	0	Water	++	Ť			-		+	++	+		+		
AIEA GULCH WELLS PUMP 2 (331-202-TP072)				Water	++	+	++	-	+		+	++	+	++	-		
· · · · · · · · · · · · · · · · · · ·					$\mathbf{H}$	+	++	+	+		+		+		+		
						1			1		+	++	+	++	-	1	
380-22202	COC				Ħ												
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					Π												
Possible Hazard Identification			Radiologica		S	ampl	le <b>Disp</b> e Return	osal (	A fee	may t	e asse	e <mark>ssed if</mark> losal By	samp	les are	retain	ned longer than t hive For	
Deliverable Requested: I, II, III, IV, Other (specify)	ON B UNKN	lown	Radiologica	/			I Instru						Lap		Arci	nive For	Months
Empty Kit Relinquished by:		Date:			Time		0		0			Method	l of Ship	ment			
Relinquished b	Date/Time:	1200		Company	7	Rec	eived by		K	0.4.1		-	Da	evime:	32	2 0950	Company
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Custody Seals Intact: Custody Seal No.:						Coo	oler Temp	erature	e(s) °C a	nd Othe	r Remar	ks:					

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eurofins	INTERNAL CH.	AIN OF CUSTODY	RECORD	
Enton Analytical	Notes If samples are ou	AP RECEIVED; tof temperature range, let the ASMs know, ASMs will de C'D DAY OF COLLECTION? Yes		
IR Gun ID = 40 (Observation	n=55 °C) (Corr.Factor 0	$( \circ c) (Final = \frac{54}{2} \circ c)$		
TYPE OF ICE: Real Synthetic K No	6	FICE: Frozen A Partially Froz	en Thewed N/A	
METHOD OF SHIPMENT: Pick-Up / Waik-In	/ FadEx / UPS / DHL / Area .	Fast / Top Line / Other:	<u> </u>	
Compliance Acceptance Criteria:				+ 1
<ol> <li>Chemistry: &gt;0, ≤6°C, not frozen (NELA</li> </ol>	P) (if received after 24 hrs of sam	nple collection)		
2) Microbiology, Distribution: < 10°C, no	t frozen (can be ≥10°C lf received	f on ice the same day as sample col	lection, within 8 hours)	
3) Microbiology, Surface Water: < 10°C (h	f received after 2 hours of sample	oollection)		· · ·
I out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the emperature of each quadrant and record each temperature of the	1 = [Obzervation=*C] [Oett.Fasior	"C) (Final = 'C) 2 = (Observation=	*0) (Corr.Faclor*0) (Fins! =*0)	]
undrants .	3 - (Observellen= 'C) (Corr.Freier	"C) (Fins! ='C) 4 = (Observement	"C) (Cott.Fastor 'O) (Final = 'O) *	
<ul> <li>5) pH Check, Manufacturer:</li> <li>6) Chlorine check. Manufacturer: Sansat</li> </ul>		strip type: 0 - 14 or	_ Expiration DateRes	ults;
Vol and Padan	with Headspace:	Samples with Headspace (se	e below):	
7) Headspace: Headspace: Headspace Docume	entation (use additional VOC ar	d Radon Internal COFC for additi	onal bottles)	3
Exampl from headepace concernst Methods 51 amp ID Bollie # Nons/<8 >8mm Test Samp ID	5.4, HAA(8251,852), 505, SPME, @CH, 53; D Boille # Nons/<8 >8mm Test	Bamp ID Boltis # None/<8 >5mm	sing 40 ml vials, international oliants: Tast Bamp ID Bollie # None/<	8 >6mm Test
			mm	
	·			
ote Sample IDs which have dissimilar headspace				
DEIVED BY A A STORY	PRINT HAME	Eurofins Eaton Analytical	9.28.22 CASO	1
Cherbran IC	PRINT NAME	OOMFANY/TITLE	10100	· ·
APLEB CHEOKED ADAWST COO BYL	PRINT NAME	Eurolina Eaton Analytical	DATE TIME	
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# Login Sample Receipt Checklist

Client: City & County of Honolulu

#### Login Number: 22202 List Number: 1 Creator: Castro, Heidi

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	

List Source: Eurofins Eaton Monrovia