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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: 380-8865-1 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

Cade

Authorized for release by: 9/8/2022 3:31:53 PM John Cady, Senior Project Manager (832)763-8082 John.Cady@et.eurofinsus.com

Designee for

Debbie Frank, Project Manager (626)386-1100 Debbie.Frank@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.

..... LINKS **Review your project** results through EOL Have a Question? Ask-The Expert Visit us at: www.eurofinsus.com/Env

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)

John Cady

John Cady Senior Project Manager 9/8/2022 3:31:53 PM

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

Glossary Abbreviation

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Abbieviation	mese 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	Me hod Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Me hod Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Nega ive / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ra io (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

These commonly used abbreviations may or may not be present in this report.

Job ID: 380-8865-1

Laboratory: Eurofins Eaton Monrovia

Narrative

Job Narrative 380-8865-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 7/13/2022 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.5° C, 3.1° C and 3.3° C.

Subcontract non-Sister

See attached subcontract report.

Subcontract Work

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

Job ID: 380-8865-1

Lab Sample ID: 380-8865-1

Lab Sample ID: 380-8865-2

Client Sample ID: HALAWA SHAFT VIEWING POOL

No Detections.

Client Sample ID: TB:HALAWA SHAFT VIEWING POOL

No Detections.

This Detection Summary does not include radiochemical test results.

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

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:

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

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-8865-1	HALAWA SHAFT VIEWING POOL	Water	07/10/22 09:30	07/13/22 10:20
380-8865-2	TB:HALAWA SHAFT VIEWING POOL	Water	07/10/22 09:30	07/13/22 10:20



LABORATORIES, INC.

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

Date: 07-26-2022 EMAX Batch No.: 22G104

Attn: Jackie Contreras

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

Subject: Laboratory Report Project: 380-8865

Enclosed is the Laboratory report for samples received on 07/14/22. The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
380-8865-1	G104-01	07/10/22	WATER	TPH GASOLINE
				TPH DIESEL & MOTOR OIL
380-8865-2	G104~02	07/10/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

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

Sincerely yours,

Ghemper For CP Caspar J. 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

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	Cha Sampler:		n of Custoay Kecora		Carrier Tracking No(s):	22 GWO	
Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving	Phone:		E-Mail: Debbie.Frank@	Frank, Deoole L E-Mail: Debbie. Frank@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1	
Company: EMAX Laboratories Inc			Accr	Accreditations Required (See note): State - Hawaii		Job #: 380-8865-1	
Address: 3051 Fuji ta Street,	Due Date Requested: 7/27/2022			Analysis Requested	equested	Preservation Codes: A - HCL	des: M - Hexane
City: Torrance State, Zp: CA, 90505	TAT Requested (days):					B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4	N - None O - AsNaO2 P - Na22045 R - Na22203 R - Na22203
Phone:	PO#:		(o			F - MeOH G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate
Email:	:# OM			ioM bri Ii(U - Acetone V - MCAA W - pH 4-5
Project Name: RED-HILL	Project #: 38001111			EAL) a lotor C			Y - Trizma Z - other (specify)
Site: Honolulu BWS Sites	SSOW#:		dues	אטק (Purge אול א) אול בר (0 Other:	
Sample Identification - Client ID (Lab ID)	Sample Date Time	Sample Type Sample (C=comp, Time G=grab)	Matrix (W=water, B S=solid, S=solid, C=waste/cil, BT=TIssue, A=Air)	Performation (New Solic) Sug (8015 Gas Sug (8015 Gas Dissel LL (EAL Gas Sug (Participation) LL (Purgesble) LL		Special T	Special Instructions/Note:
HAI AWA SHAFT VIEWING POOL (380-8865-1)	1228	636.536	alion code 🕅			See Attached Instructions	ructions
TB-HAI AWA SHAFT VIEWING POOL (380-8865-2)		alian 30	Water			See Attached Instructions	ructions
	Hawaiian	alian					L
					· · · · ·		
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 lasted above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analyfical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analyfical, 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 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 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 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.	yrical, LLC places the owners ts/matrix being analyzed, the ations are current to date, ret	ship of method, anal samples must be si urn the signed Chail	yte & accreditation col hipped back to the Eu 1 of Custody attesting	mpliance upon out subcontract laboratorie rofins Eaton Analytical, LLC laboratory or to said complicance to Eurofins Eaton Ar	 This sample shipment is forwarded other instructions will be provided. Any atytical, LLC. 	l under chain-of-custody. y changes to accreditatio	If the laboratory does not n status should be brought
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples ar e retained longer than 1 month)	assessed if samples ar e ret	tained longer than	1 month)
Uncomment Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	ank: 2		Special Instructions/QC Requirements:	usai Dy Lau	VIGINA LOI	ANDIALIS
Empty Kit Relinquished by:	Date:		Time:	ie:	Method of Shipment:	~	
Relinquished by	Date/Fime: / Date/Fime: /	1038	Company	Received by Man D.	Date/Time: ZIUH/22	L 1038	Company
Relinquished by:	Date/Tifité:		Сотрапу	Received by:	Date/Time:		Company
Relinquished by:	Date/Time:		Company	Received by:	Date/Time:		Company
Custody Seals Intact Custody Seal No.: RÉPORTND: 22G104				Coder Temperature(s) °C and Obser Remarks: (0) 3. $0/3$. 0 (2) 4.7) 4.7/4.5 0.2	Paç	Page 2 of 23
					7 8 9 10	4 5 6	1 2 3

E	MAX
LABOR	ATORIES, INC.

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

Type of D	elivery	_	Airbill / Track	ing Number	ECN 226104	
Fedex UPS GSO	Others				Recipient Alah Ramus	
EMAX Courier Del	ivery		-		Date 07/14/22 Time 10:30	4
COC INSPECTION	<u> </u>		· · · · · · · · · · · · · · · · · · ·			
Client Name	D Chent PM/FC		Sampler Name	Sampling Date/Time	Sample ID Matrix	- ə
Address	🗆 Tel # / Fax #		Courier Signature	Analysis Required	Preservative (if any) D TAT	
Safety Issues (if any)	High concentrations explanation	pected	From Superfund Site	Rad screening required		6
Note:						
Proprietation and a second	· · · · · · · · · · · · · · · · · · ·					. 7
PACKAGING INSPECTION	ON					
Container ·	Cooler		□ Box	□ Other		- 8
Condition COMPCTION	Custody Seal		Intact	Damaged		
Condition CONNECTION Packaging FACTOR - 0.2	Bubble Pack		Styrafoam oler 2°C	Popcom	Sufficient	- 9
Temperatures	Cooler 13.0/3.6 °C	⊅ Co		Cooler 3°C	Cooler 4°C Cooler 5°C	
(Coel, ≤6 °C but not frozen)	Cooler 6°C	Co	oler 7°C (B) S/N 210760237	Cooler 8°C	□ Cooler 9ºC □ Cooler 10ºC	1
Thermometer:	A - S/N 210583479		(B-)S/N 210 100 191	C-S/N210271399	D - S/N	
Comments: Temperature is or	ut of range. PM was inform	ed IMN	IEDIATELY.			
Note:						
DISCREPANCIES					· · · · · · · · · · · · · · · · · · ·	
LabSampleID	- LabSampleContainerID	Code		ibel ID / Information	Corrective Action	
2	8,9	07	two dates on lak	181-7/4/22 &	RI	
			7/10/2022			
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		1				
						-
	Contraction of the second s			$\Longrightarrow GA(a/2)$		
D pH holding time requirement	t for water samples is 15 m	ins. W	ater samples for pH analy	sis are received beyond 15 n	vinutes from sampling time 1B 7/15/	22
			·····			
NOTES/OBSERVATIONS						
SAMPLÉ MATRIX IS DRINKING	G WATER? 🗆 YES 🗆 NO				-	
LEGEND:					□ Continue to next page.	
Code Description- Sample Man	ç		Description-Sample Mana	gement	Code Description-Sample Management	
D1 Analysis is not indicated in			Out of Holding Time		R1 Proceed as indicated in COC Label	
D2 Analysis mismatch COC vs			Bubble is >6mm		R2 Refer to attached instruction	
D3 Sample ID mismatch COC D4 Sample ID is not indicated			No trip blank in cooler	_	R3 Cancel the analysis	
D4 Sample ID is not indicated D5 Container - [improper] [leal			Preservation not indicated i Preservation mismatch COO		R4 Use vial with smallest bubble first	
D6 Date/Time is not indicated			Insufficient chemical preser		R5 Log-in with latest sampling date and time+1 min	
(D7) Date/Time mismatch COC	LICENSE AND A CONTRACTOR OF A DESCRIPTION		Insufficient Sample	.vanve	R6 Adjust pH as necessary R7 Filter and preserved as necessary	
D8 Sample listed in COC is no			No filtration info for dissolv	ved analysis	DR	
D9 Sample received is not liste			No sample for moisture detern	2	100	40.000 M
D10 No initial/date on correctio		D22		-	R10	-
D11 Container count mismatch	COC vs received	Đ23			R11	
D12 Container size mismatch C	OC vs received	D24		\bigcap	RI2 a 1	
REVIEWS:	Jocelyne	1	2	(de de la companya)		
Sample Labeling	Johr John John John John John John John John	pe	SRF SRF	yun	PM (UP)	
Date	2 07 14 22 T/14/	2	Date	119/202	Date 7/15/2.2	_

EMAX Laboratories Page 11 of 40., Torrance, CA 90505

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9/8/2022

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

380-8865

METHOD 5030B/8015B TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

SDG#: 22G104

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 380-8865

SDG : 22G104

METHOD 5030B/8015B TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

A total of two(2) water samples were received on 07/14/22 to be analyzed for Total Petroleum Hydrocarbons by Purge and Trap in accordance with Method 5030B/8015B and project specific requirements.

Holding Time Samples were 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. VG39G08B - 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. VG39G08L/VG39G08C were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. Gasoline was within MS QC limits in G102-01M/G102-01S. Refer to Matrix QC summary form for details.

Surrogate Surrogate was added on QC and field samples. All surrogate recoveries were within QC limits. Refer to sample result summary forms for details.

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

	TRAP
	AND
	PURGE
	ВΥ
LAB CHRONICLI	HYDROCARBONS
	PETROLEUM
	TOTAL

Client Droiect	<pre>client : EUROFINS EATON ANALYTICAL Doniect · 380-2845</pre>	ANALYTICAL							SDG NO. : 226104 Instrument 1D : 6CT039
					WATER	ER			
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

MBLK1W		VG39G08B	-	NA	07/14/2211:21	07/14/2211:21	EG14004A	EG14003A	22VG39G08 Method Blank
LCS1W		VG39G08L	٢	NA	07/14/2211:57	07/14/2211:57	EG14005A	EG14003A	22VG39G08 Lab Control Sample (LCS)
LCD1W		VG39G08C	-	NA	07/14/2212:34	07/14/2212:34	EG14006A	EG14003A	22VG39G08 LCS Duplicate
380-8865-1		G104-01	-	NA	07/14/2222:11	07/14/2222:11	EG14022A	EG14014A	22VG39G08 Field Sample
380-8865-2		G104-02	۲	NA	07/14/2222:46	07/14/2222:46	EG14023A	EG14014A	22VG39G08 Field Sample

FN - Filename % Moist - Percent Moisture

SAMPLE RESULTS

METHOD 5030B/8015B TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

Client : EUROFINS EATO	N ANALYTICAL	Date	Collected:	07/10/22 09:30
Project : 380-8865		Date	e Received:	07/14/22
Batch No. : 22G104		Date	Extracted:	07/14/22 22:11
Sample ID : 380-8865-1		Date	Analyzed:	07/14/22 22:11
Lab Samp ID: G104-01		Diluti	ion Factor:	1
Lab File ID: EG14022A			Matrix:	WATER
Ext Btch ID: 22VG39G08		2	6 Moisture:	NA
Calib. Ref.: EG14014A		Inst	rument ID:	39
			MDL	
PARAMETERS	(mg/L)	(mg/L)	(mg/L)	
GASOL I NE	ND	0.020	0.010	
			0/0 5 6 6 V 5 8 V	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Duese flue a berrare	0.0799	0.0400	07	40-1/0
Bromofluorobenzene	0.0388	0.0400	97	60-140

Notes:

Parameter H-C Range Gasoline C6-C10 Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.Sample Amount: 5mlPrepared by: SCervaAnalyzed by: SCerva

METHOD 5030B/8015B TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

Client : EUROFINS EATO	N ANALYTICAL	Date	Collected:	07/10/22 09:30
Project : 380-8865		Date	e Received:	07/14/22
Batch No. : 22G104				07/14/22 22:46
Sample ID : 380-8865-2				07/14/22 22:46
Lab Samp ID: G104-02		Dilut	ion Factor:	1
Lab File ID: EG14023A			Matrix:	
Ext Btch ID: 22VG39G08			% Moisture:	
Calib. Ref.: EG14014A		Inst	trument ID:	39
			145.1	
	RESULTS		MDL	
PARAMETERS	(mg/L)	(mg/L)	(mg/L)	
GASOLINE	ND	0.020	0.010	-
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0379	0.0400	95	60-140
Notes:				
Parameter H-C Range				

Parameter H-C Range Gasoline C6-C10 Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures. Sample Amount : 5ml Final Volume : 5ml Prepared by : SCerva Analyzed by : SCerva

QC SUMMARIES

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METHOD 5030B/8015B TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

			================	
Client : EUROFINS EA	TON ANALYTICAL	Date	Collected:	07/14/22 11:21
Project : 380-8865		Date	Received:	07/14/22
Batch No. : 22G104		Date	Extracted:	07/14/22 11:21
Sample ID : MBLK1W		Date	Analyzed:	07/14/22 11:21
Lab Samp ID: VG39G08B		Diluti	on Factor:	1
Lab File ID: EG14004A			Matrix:	WATER
Ext Btch ID: 22VG39G08		9	Moisture:	NA
Calib. Ref.: EG14003A		Inst	rument ID:	39
	RESULTS	RL	MDL	
PARAMETERS	(mg/L)	(mg/L)	(mg/L)	
				-
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0350	0.0400	88	60-140
Notes:				

ParameterH-C RangeGasolineC6-C10Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures. Sample Amount : 5ml Final Volume : 5ml Prepared by : SCerva Analyzed by : SCerva

MATRIX : WATER DILUTION FACTOR: 1 SAMPLE ID : MBLK1W LAB SAMPLE ID : VG39G08B LAB FILE ID : EG14004A DATE PREPARED : 07/14/22 11:21 DATE ANALYZED : 07/14/22 11:21 PREP BATCH : 22VG39G08 CALIBRATION REF: EG14003A		1 LCS1W VG39G08L EG14005A 07/14/22 1 07/14/22 1 22VG39G08			% MOISTURE 1 LCD1W VG39G08C EG14006A 07/14/22 1 07/14/22 1 22VG39G08	2:34			
		EG14003A			EG14003A				
ACCESSION:									
MBResi PARAMETERS (mg.	ılt SpikeAmt 'L) (mg/L)	(mg/L)	(%)	(mg/L)	(mg/L)	(%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND 0.500	0.425		0.500	0.428		1	60-130	30
***************************************					============		=======		
SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)			LCDResult (mg/L)			QCLimit (%)	_
Bromofluorobenzene	0.0400	0.0444	111	0.0400	0.0439	110		70-130	

MB: Method Blank sample LCS: Lab Control Sample LCD: Lab Control Sample Duplicate

Bromofluoroben	zene		0.0400	0.0426	107	0.0400	0.0433	108		60-140	
SURROGATE PARA	METER		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Gasoline		ND	0.500	0.470	94	0.500	0.493	99	5	50-130	30
PARAMETERS		Result (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
ACCESSION:											
PREP BATCH CALIBRATION RE	: 22VG39G08			22VG39G08 EG14003A			22VG39G08 EG14003A				
DATE PREPARED				07/14/22 1			07/14/22 1 07/14/22 1				
	: EG14011A			EG14012A			EG140 13 A				
SAMPLE ID LAB SAMPLE ID	: 380-8855-1 : G102-01			380-8855-1 G102-01M	M2		380-8855-1 G102-01S	IMSD			
DILUTION FACTO				1			1	Was			
MATRIX	: WATER						% MOISTURE	:NA			
		=======		na hali shku shku kasi kasi shku shku san ana ang ang ang ang ang ang ang ang a							
BATCH NO. METHOD	: 22G102 : 5030B/8015B										
PROJECT	: 380-8855										

PS: Parent Sample MS: Matrix Spike MSD: Matrix Spike Duplicate

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REPORT ID: 22G104

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

380-8865

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22G104

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 380-8865

SDG : 22G104

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 07/14/22 to be analyzed for Total Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B 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. DSG012WB - 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) LCS was analyzed. Only DSG012WC was reported, because Bromobenzene in DSG012WL was below QC limits. Percent recovery for Diesel was within LCS QC limits in DSG012WC. Refer to LCS summary form for details.

Matrix QC Sample

Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22G102-01M/22G102-01S. Refer to Matrix QC summary form for details.

Surrogate

Surrogates were added on QC and field samples. For this SDG, all surrogate recoveries were within QC limits except for Bromobenzene in G104-01. However, an alternate surrogate, Hexacosane, was within QC limits. Refer to sample result summary forms for details.

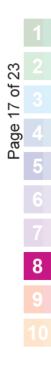
Sample Analysis

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 with the exception of those that were discussed within the associated QC parameter.

	EXTRACTION
	BΥ
AB CHRONICLE	HYDROCARBONS
	PETROLEUM
	TOTAL

	EUKUFINS EALUN ANALTIICAL							Instrument	SDG NO. : ZZGTU4 Instrument ID : D5
Project ====================================	Project :								
				MAT	WATER				
Cl i ent	Laboratory	y Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	Sample ID	Factor	Moist	DateTime	DateTime	Data FN	Data FN	Batch N	Notes
MBLK1W	DSG012WB	٢	NA	07/15/2212:41	07/14/2212:45	LG15008A	LG15004A	22DSG012W M	22DSG012W Method Blank
LCS1W	DSG012WL	۲	NA	07/15/2213:00	07/14/2212:45	LG15009A	LG15004A	22DSG012W L	22DSG012W Lab Control Sample (LCS)
LCD1W	DSG012WC	-	NA	07/15/2213:18	07/14/2212:45	LG15010A	LG15004A	22DSG012W L	22DSG012W LCS Duplicate
380-8865-1	G104-01	ſ	NA	07/15/2215:47	07/14/2212:45	LG15018A	LG15004A	22DSG012W F	22DSG012W Field Sample

FN - Filename % Moist - Percent Moisture



SAMPLE RESULTS

Page 18 of 23

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

	================			
Client : EUROFINS EATON	ANALYTICAL	Date	Collected:	07/10/22 09:30
Project : 380-8865		Date	e Received:	07/14/22
Batch No. : 22G104		Date	Extracted:	07/14/22 12:45
Sample ID : 380-8865-1		Date	e Analyzed:	07/15/22 15:47
Lab Samp ID: 22G104-01		Dilut	ion Factor:	1
Lab File ID: LG15018A			Matrix:	WATER
Ext Btch ID: 22DSG012W		2	% Moisture:	NA
Calib. Ref.: LG15004A		Inst	trument ID:	D5
	===========			
	RESULTS	RL	MDL	
PARAMETERS	(mg/L)	(mg/L)	(mg/L)	
				-
Diesel	ND	0.024	0.012	
Motor Oil	ND	0.048	0.024	
CURROCATE DARAMETERS	DECULT	CDK ANT	%DECOVERY	QC LIMIT
SURROGATE PARAMETERS	RESULT	SPK_APT	%RECOVERY	
Bromobenzene	0,285	0.480	59	* 60-130
Hexacosane	0.0928	0.120	77	
	=========			
Notes:				

Parameter		H-C Range	
Diesel		C10-C24	
Motor Dil		C24-C36	
Reported ND	at	RL quantitated per pattern recognition.	

Detection limits	are reported relative to sampl	e result significant figures.
Sample Amount	: 1040ml	Final Volume : 5ml
Prepared by	: POreto	Analyzed by : CMpang

QC SUMMARIES

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

	=======================================	===========							
Client : EUROFINS EATOM	ANALYTICAL	Date	Collected:	07/14/22 12:45					
Project : 380-8865	ect : 380-8865 Date Receiv								
Batch No. : 22G104		Date	Extracted:	07/14/22 12:45					
Sample ID : MBLK1W		Date	e Analyzed:	07/15/22 12:41					
Lab Samp ID: DSG012WB		Dilut	ion Factor:	1					
Lab File ID: LG15008A			Matrix:	WATER					
Ext Btch ID: 22DSG012W		2	% Moisture:	NA					
Calib. Ref.: LG15004A		Inst	trument ID:	D5					
	===========								
	RESULTS	RL	MDL						
PARAMETERS	(mg/L)	(mg/l)	(mg/l)						
				-					
Diesel	ND		0.012						
Motor Oil	ND	0.050	0.025						
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT					
Bromobenzene	0.305		÷,	60-130					
Hexacosane	0.0987	0.125	79	60-130					
	============								
Notes:									
Notes:									

Parameter	H-C Range	
Diesel	C10-C24	
Motor Oil	C24-C36	
Reported ND	at RL quantitated per pattern recognition.	

Detection limits	s are reported relative to samp	le result significant figures.
Sample Amount	: 1000ml	Final Volume : 5ml
Prepared by	: POreto	Analyzed by : CMpang

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFING PROJECT : 380-8865 BATCH NO. : 22G104 METHOD : 3520C/80)15B				
MATRIX : WATER DILUTION FACTOR: 1 SAMPLE ID : MBLK1W LAB SAMPLE ID : DSG012WE LAB FILE ID : LG15008/ DATE PREPARED : 07/14/22 DATE ANALYZED : 07/15/22 PREP BATCH : 22DSG012 CALIBRATION REF: LG15004/	4 2 12:45 2 12:41 2W	07/15/22	12:45 13:18		
ACCESSION: PARAMETERS	(mg/L)	(mg/L)	LCSResult (mg/L)	(%)	(%)
Diesel		SpikeAmt		LCSRec	QCLimit
Bromobenzene Hexacosane		0.500 0.125	0.321 0.104	64 83	60-130 60-130

MB: Method Blank sample LCS: Lab Control Sample

ATCH NO. : 220	-8855 102 0C/8015B				******					
ATRIX : WAT	ER					% MOISTL	IRE:NA			
DILUTION FACTOR: 1		1				1				
SAMPLE ID : 380-8855-1 380-8855-1MS 380-8855-1MSD										
LAB SAMPLE ID : 22G102-01 22G102-01M 22G102-01S										
AB FILE ID : LG1)13A			LG15014A						
-	E PREPARED : 07/14/22 12:45 07/14/22 12:45 07/14/22 12:45 07/15/22 13:55 07/15/22 14:14 07/15/22 14:32									
REP BATCH : 22D			15/22 14:14 07/15/22 14:32 SG012W 22DSG012W							
CALIBRATION REF: LG1		LG150				LG15004A				
ACCESSION:										
PARAMETERS			MSResult (mg/L)			MSDResult (mg/L)	(%)		QCLimit (%)	
iesel	ND	2.65	2.33	88	2,72	2.56	94	9	50-130	30
		==========								
		SpikeAmt	MSResult	MSRec	SpikeAmt	MSDResult	MSDRec		QCLimit	
URROGATE PARAMETERS		(mg/L)	(mg/L)	(%)	(mg/L)	(mg/L)	(%)		(%)	
romobenzene		0.530	0.369		0.545				60-130	
exacosane		0.132	0.109	82	0.136	0.116	85		60-130	

PS: Parent Sample MS: Matrix Spike MSD: Matrix Spike Duplicate

Eaton Analytical	EUROFINS EATON ANAL	CHA		FC	US	то	DY	RE	co	RD						
750 Royal Oaks Drive, Suite 100 Monrovia, CA 91016-3629 Phone: 626 386 1100 Fax: 626 386 1101 800 566 LABS (800 566 5227)	LOGIN COMMENTS: SAMPLE TEMP RECEN Colton / No. Californ Monrovia CONDITION OF BL METHOD OF SHI	VED AT: nia / Arizona LUE ICE: Frozo	2.ª	⊃_°C _ Par	(Corr		4 ± 2 °	C) C) Thawe _/Area	SAMPL d a Fast	SA .ES REC We / Top Li	MPLES	S LOGO OF CO				
O BE COMPLETED BY SAMPLER: COMPANY/AGENCY NAME: BWS HONOLULU	PROJECT CODE: Red H	ill Special		Type		- Rec	uires st	AMPLE ate form	IS	R	EGULA	TION	NCE SAMPLE	SX		
EA CLIENT CODE: COC ID:	SAMPLE GROUP: Weekly TPH-801			SEE	ATTA	CHED	BOTT	LE OF	RDER	FORA	NALY	SES	(check f			
AT requested: rush by adv notice only	STD 1 wk _X_ 3 day	MATRIX	1 day	Subcon. 8015 Diesel LL (EAL)	Subcon.8015TB	1							SAMPLER COMMENTS			
Halawa Shaft		RGW		x	x x									Shaft- Static Sample Viewing Pool)		
							- Mail	H2								
							380-8865							mp Blank S°C		
MATRIX TYPES: RSW = Raw Surface Wa RGW = Raw Ground Wa SIGNATURE		d Water	Water			Water Water		BW = E SW = S		Vater	SO = SL =	Soil Sludge		er - Please Identify		
AMPLED BY:		Olaf I	Happe				Honol	ulu Boa	rd of W	ater Sup	oply		7/10/2022	930		
ELINQUISHED BY:		Olaf I	Happe				Honol	ulu Boa	rd of W	ater Sup	oply		7/10/2022	1830		
ELINQUISHED BY:	12t	GREITH	ER					EE	A			Ø	7 13 202	2 10 20		
ECEIVED BY:																

4 E			2			
eurofins Eaton Analytical	INTERNAL CHAIN	N OF CUSTOD	Y RECORD			
EEA Folder Number:		ECEIVED; persture range, let the ASMs know, ASMs w DAY OF COLLECTION? Y		analysis or not.		
IR Gun ID = 649A (Observation=						
TYPE OF ICE: Real Synthetic No ic	CONDITION OF ICE	: Frozen Partially F	rozen Thawed	N/A		
METHOD OF SHIPMENT: Pick-Up / Walk-In	FedEx / UPS / DHL / Area Fast	/ Top Line / Other:				
Compliance Acceptance Criteria: 1) Chemistry: >0, ≤ 6°C, not frozen (NELAP)	(If received after 24 hrs of sample o	ollection)				
2) Microbiology, Distribution: < 10°C, not fi	rozen (can be ≥10°C if received on i	ce the same day as sample	collection, within 8 hour	s)		
 Microbiology, Surface Water: < 10°C (If re If out of temperature range for both Chemistry and Microbiology 	acelved after 2 hours of sample colle	action)	· · ·			
semples and lamperature does not confirm, then measure the lemperature of each quadrant and record each temperatura of the quadrants		(Fins) =*C) 2 = (Observation=	"C) (Corr.Facior "C) (Fin			
4 Dioxin (1613 or 2,3,7,8 TCDD): must be be		(Final =	<u>'C) (Corr.Factor</u> 'C) (Finescion)	nal =*C) `		
5) pH Check. Manufacturer:	Lot Number:pH strip	type: 0 - 14 or	Expiration Date	Results:		
6) Chiorine check. Manufacturer: Sansafe.	Lot No.: Expiration Da	te: Results				
'Headspace;		Samples with Headspace				
Exempt from headspace concerns: Mathods 515.	tation (use additional VOC and Ra s, HAA(6251,852), 505, SPME, @CH, 532LCMS Bolle # ^{None/<6} >6mm Test mm		ds using 40 ml visis, Internat	lonal clients: Bollie # None/<8 >8r	nm Test	
Note Sample IDs which have dissimilar headspace	(I.e. potential sampling errors):	COMPANY/TITLE	DATE	TIME		•
RECEIVED BY:	REITNER	Eurofins Ealon Analytical	07/13/2022	10:20		
SAMPLES CHECKED AGAINST COC	PRINT NAME	COMPANY/TITLE	DATE	TIME		1
		Eurofins Ealon Analytical				
	1				20	
QA FO-FRM5504 (9.28.21) Ver 9					P	age <u>i</u> of <u>s</u>
				i		

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Eaton Analytical SAMPLE TEMP RECEIVED: Not: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analytic or not. SAMPLES REC'D DAY OF COLLECTION? Yes / No IR Gun ID = <u>649A</u> (Observation= <u>3.6</u> °C) (Corr.Factor <u>0.3</u> °C) (Final = <u>3.3</u> °C) YPE OF ICE: Real Synthetic No ice CONDITION OF ICE: Frozen Partially Frozen Thawad N/A NETHOD OF SHIPMENT: Pick-Up / Walk-In (FedEx) UPS / DHL / Area Fast / Top Line / Other: icompliance Acceptance Criteria: 1) Chemistry: >0, ≤ 6°C, not frozen (NELAP) (if received after 24 hrs of sample collection) 2) Microbiology, Distribution: <10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours) 3) Microbiology, Surface Water: <10°C (if received after 2 hours of sample collection) void femperature range for both Chemistry and Microbiology moles and lamperature for both Chemistry = (0) (Contractor (0) (Final (0) (Pinal							
EAF Alex Number SAMPLE TEMP RECEIVED: Market Stamples and Stamples a	a eurofins	INTERNAL CHAI	N OF CUSTOD	Y RECORD			
YPE OF ICE: Real Synthetic No log CONDITION OF ICE: Forzan Partially Frozen Thawad N/A METHOD OF SHIPMENT: Pick-Up / Walk-In FedEx UPS / DHL / Area Fast / Top Line / Other:	EEA Folder Number;	SAMPLE TEMP I Note: If samples are out of te	mperature range, let the ASMs know. ASMs		ith analysis or not.	•	
YPE OF ICE: Real Synthetic No log CONDITION OF ICE: Forzan Partially Frozen Thawad N/A METHOD OF SHIPMENT: Pick-Up / Walk-In FedEx UPS / DHL / Area Fast / Top Line / Other:	IR Gun ID = 649A (Obse	ervation= 3.6 °C) (Corr.Factor 0.3	°C) (Final = <u>3.3</u> °C)				
Sompliance Acceptance Criteria: 1) Chemistry: >0, s8°C, not frozen (NELAP) (if raceived after 24 hrs of sample collection) 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)		/		Frozen Thawed	N/A		
 1) Chemistry: >0, ≤ 8°C, not frozen (NELAP) (if received after 24 hrs of sample collection) 2) Microbiology, Distribution: < 10°C, not frozen (can be ≿10°C if received on ice the same day as sample collection, within 8 hours) 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection) but of inequations rates to ball Chemistry and Microbiology microbiology of the same day as sample collection. but of inequations and second balancia and the same day as a sample collection. but of inequations and second balancia and the same day as a sample collection. but of inequations and second balancia and the same day as a sample collection. c) Delta of second balancia and the same day and inequations of the same day as a sample collection. c) Delta of second balancia and the same day. d) Chewrethen '0 (Genzethen '0 (Genze	METHOD OF SHIPMENT: Pick-Up / W	alk-in FedEx UPS / DHL / Area Fas	t / Top Line / Other:				
2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours) 3) Microbiology, Surface Water: < 10°C (ff received after 2 hours of sample collection) We intervalue range for bath Chamitary and Microbiology Distribution: does not bath Chamitary and Microbiology Distrib	Compliance Acceptance Criteria:	<u> </u>					
 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection) but of inservative rates to both Chamicity and Microbiology many states of an one of the hours data at colomby. Ann example the meritarian and record such tamperature of ech quadrant and record such tamperature of the quadra	 Chemistry: >0, ≤ 6°C, not frozen 	(NELAP) (If received after 24 hrs of sample	collection)				
build is angle scalar and accord and integrated and integrated upwaters and sugression and integrated upwaters into a result and integrated and integrated and integrated and integrated upwaters. 1 + (Otservater	2) Microbiology, Distribution: < 10	°C, not frozen (can be ≥10°C If received on	ice the same day as sample	collection, within 8 hou	irs)		
Imples and imperative does not confirm, then measure the terminative does not confirm, then measure the terminative does not confirm terminatitere not confirm terminative does not confirm	3) Microbiology, Surface Water: < 1	0°C (If received after 2 hours of sample co	llection)	•.			
3 = (Dbaswelline	mples and temperature does not confirm, then measure th		C) (Finel = *C) 2 = (Observation=	*C) (Corr.,Fasior *C) (hel 'C)		
4 Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 *C, not frozen (if received after 24 hrs of sample collection) 5) pH Check. Manufacturer: Lot Number: pH strip type: 0 - 14 or Expiration Date Results: 6) Chlorine check. Manufacturer: Sansafe. Lot No.: Expiration Date: Results 7) VOA and Radon 7) VOA and Radon 7) VOA and Radon 7) VoA and Radon 7) No Samples with Headspace: Samples with Headspace (see below): Readspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) Exempt from headspace conserns: Mathods \$15.4, MA46251, \$251, \$266, \$28, Anatoxin, LCMS mathods using 40 mi visis, international clients:	adranta	3 = (Observation= 'C) (Corr.Factor *	C) (Final = 'C) 4 = (Observation=	*C) (Corr.Facior *C) (Final = (C) *		
Mo Samples with Headspace: Samples with Headspace (see below): Headspace: Bagspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) Example from headspace oncerns: Methods 815.4, HAA4921, 562, 563, 564, 564, 535, Anatoxin, LCMB methods using 40 mi visis, international clients: mp ID Bottle # None/<6 >6mm Test mm Samp ID Bottle # None/<6 samp ID Bottle # None/<6 >6mm Test mm Samp ID Bottle # None/<6 samp ID Bottle # None/<6 >6mm Test mm Samp ID Bottle # None/<6 samp ID Bottle # None/<6 >6mm Test mm Samp ID Bottle # None/<6 samp ID Bottle # None/<6 >6mm Test mm Samp ID Bottle # None/<6 samp ID Bottle # None/<6 >6mm Test mm Samp ID Bottle # None/<6 sample IDs which have dissimilar headspace (i.e. potential sampling errors): Eurofine Eaton Analytical Store Bay: PAINT NAME OMPANY/TITLE Store Dave PAINT NAME COMPANY/TITLE Store Dave PAINT NAME COMPANY/TITLE Store Crecked Against Coc Bay PAINT NAME ComPANY/TITLE Store Crecked Against Coc Bay					Results		
Haddspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) Exempt from headspace concerns: Methods 515.4, HA4(524) (552), 506, 59ME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml visis, International clients: mp ID Bottle # None/<6	7) VOA and Radon No Sa Headspace:	mples with Headspace:	Samples with Headspace	e (see below):]		
Imm I	Headspace D Exampl from headspace concerns: Mai	hods \$15.4, HAA(8261,862), 506, SPME, @CH, 532LCI	MS, 558, 538, Anatoxin, LCMS meth	ods using 40 ml vials, interna			
BIDNATURE PRINT NAME COMPANY/TITLE DATE TIME ENVED BY: G. REITNER Eurofins Ealon Analytical 0.7/1.3/2.022 1.0.20 SIGNATURE PRINT NAME COMPANY/TITLE DATE TIME LES CHECKED AGAINST COC BY: Eurofins Ealon Analytical	mp 10 Bottle # mm >omm Test				Bolus # mm	8mm Test	
BIDNATURE PRINT NAME COMPANY/TITLE DATE TIME ENVED BY: G. REITNER Eurofins Ealon Analytical 0.7/1.3/2.022 1.0.20 SIGNATURE PRINT NAME COMPANY/TITLE DATE TIME LES CHECKED AGAINST COC BY: Eurofins Ealon Analytical		· · · · · · · · · · · · · · · · · · ·					
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A G. REITNER Eurofins Ealon Analytical 0.7/1.3/2.022 1.0:20 signature BIONATURE BIONATURE PRINT NAME COMPANY/TITLE DATE TIME LES CHECKED AGAINST COC BY:	BIONATURE		COMPANYITITLE	DATE	ТІЙЕ	-	
LES CHECKED AGAINST COC BY: TIME Eurofins Ealon Analytical	EIVED BY:	GREITNER	Eurofins Ealon Analytical	07/13/2022	10:20		
Euro/Ins Ealon Analytical	along one	. PRINT NAME	COMPANY/TITLE	DATE	TIME		1
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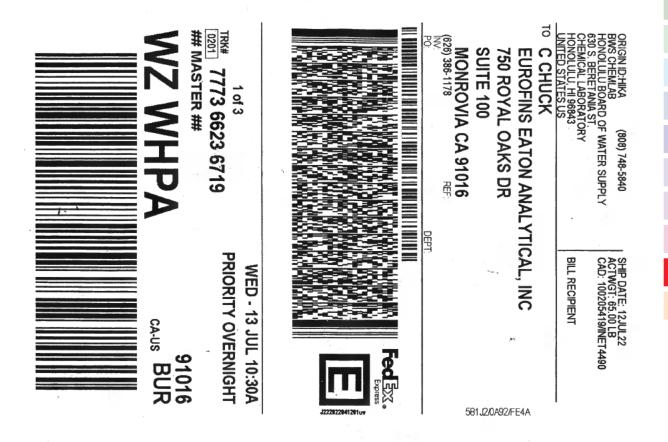
9/8/2022

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<form></form>							
Preder Number: SAMPLE TENDER DECENTION DECENTION TO RECEIVED: MATHER TRUEMENT CONTRACTORY SAMPLES RECO'D AY OF COLLECTION? Yes / No SAMPLES RECO'D AY OF COLLECTION? Yes / No R Gun ID =	eurofins						
Artifier Number SAMPLET ETMP RECEIVED: SMMPLET RUP RECEIVED: Statute and the set of the set		INTERNAL CHAI	N OF CUSIOL	JY RECORD			
PP OF ICE: Real Synthetid No los CONDITION OF ICE: Frozen Partially Frozen Thawad NA STHOD OF SHIPMENT: Pick-Up / Walk-in (realEy) UPS / DHL / Area Fast / Top Line / Other: mpliance Acceptance Criteria: 1) Chemistry: >0, s8°C, not frozen (NELAP) (if received after 24 hrs of sample collection) 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)		Note: If samples are out of ter	nperature range, let the ASMs know. ASMs		analysis or not.		
STHOD OF SHIPMENT: Plok-Up / Walk-In FedEx UPS / DHL / Area Fast / Top Line / Other:	IR Gun ID = 649A (Observation=	2.8 °C) (Corr.Factor _0.3	°C) (Final = 2.5 °C)				
Inpliance Acceptance Criteria: 1) Chemistry: >0, s6°C, not frozen (NELAP) (if received after 24 hrs of sample collection) 2) Microbiology, Distribution: <10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)	PE OF ICE: Real Synthetic No Ice	CONDITION OF IC	È: Frozen Partially	Frozen Thawed _	N/A		
 1) Chemistry: >0, s8°C, not frozen (NELAP) (if received after 24 hrs of sample collection) 2) Microbiology, Distribution: < 10°C, not frozen (can be ≿10°C if received on ice the same day as sample collection, within 8 hours) 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection) 12' Intervalues mays for bab (hourself) and Microbiology is and tenester the and search dame. Intervalues of sample collection) 12' Intervalues mays for bab (hourself) and Microbiology is and tenester the and search dame. Intervalues of sample collection) 12' Intervalues mays for bab (hourself) and Microbiology is and tenester the and search dame. Intervalues of the same day as a sample collection. 12' Intervalues may for bab (hamperstate a lots) 13' Intervalues may for bab (hamperstate a lots) 14' Intervalues may for bab (hamperstate a lots) 14' Intervalues may for bab (hamperstate a lots) 15' pH Check, Manufacturer: Sansafe, Lot No.:	THOD OF SHIPMENT: Pick-Up / Walk-In	edEx / UPS / DHL / Area Fast	/ Top Line / Other:	· · · ·			
2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours) 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection) a) microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection) a) (intermediate mode set bith Chamitary and Microbiology a) (if the same targe site bith Microbiology a) (if the same targe site bith Microbiology a) (if the same targe site bith Microbiology a) (if t							
3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection) 1: Intervalues range lob bolk Chamistry and Microbiology 2: Intervalues range lob bolk Microbiology 3: Intervalues range lob bolk Microbiology <tr< td=""><td> Chemistry: >0, ≤ 6°C, not frozen (NELAP) (</td><td>If received after 24 hrs of sample</td><td>collection)</td><td></td><td></td><td></td><td></td></tr<>	 Chemistry: >0, ≤ 6°C, not frozen (NELAP) (If received after 24 hrs of sample	collection)				
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bise and ungersture deserve deserve for and understative deserve of and understative deserve of and understative deserve de	3) Microbiology, Surface Water: < 10°C (If rec	celved after 2 hours of sample col	ection)	۰.			
3 - (Observations	es and lamperature does not confirm, then measure the	1 = (Observation=) (Final = *C) 2 = (Observation*	*C) (Corr.Facior *C) (Fin	·(= 'C)		
4 Dloxin (1613 or 2,3,7,8 TCDD): must be between 0-4 *C, not frozen (if received after 24 hrs of semple collection) 5) pH Check. Manufacturer: Lot Number: pH strip type: 0-14 or Expiration Date Results: 6) Chlorine check. Manufacturer: Sansafe. Lot No.: Expiration Date: Results: 7) VOA and Radon 7) VOA and Radon 7) VOA and Radon 7) VOA and Radon 80 Samples with Headspace: Samples with Headspace (see below): Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) 82 Kempt from headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) 82 Kempt from headspace secons: Mahoda \$15.4, NAA(\$243, 168.2), \$26, 87ME, @CH, \$321, CMA, \$354, 334, Antoxin, LCMB methoda using demivals, international cilents: 10 Boltle # Nona/G >6mm Test 84 Nona/G >6mm Test 8	ints	3 * (Observation= 'C) (Cerr.Factor *C		C) (Corr.Faeler (C) /Fi	10)		
7) VOA and Radon No Samples with Headspace: Samples with Headspace (see below): Headspace: Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) Exempt from headspace concerns: Mishode \$15.4, HAAQ\$261,852, 506, 574, Anatoxin, LCMS methode using 40 ml visis, International clients: Book mm Test Sample IDs which have, dissimilar headspace (i.e., potential sampling errors): FRIMT NAME COMPANYITTLE SIGNATURE FRIMT NAME SI					Results:		
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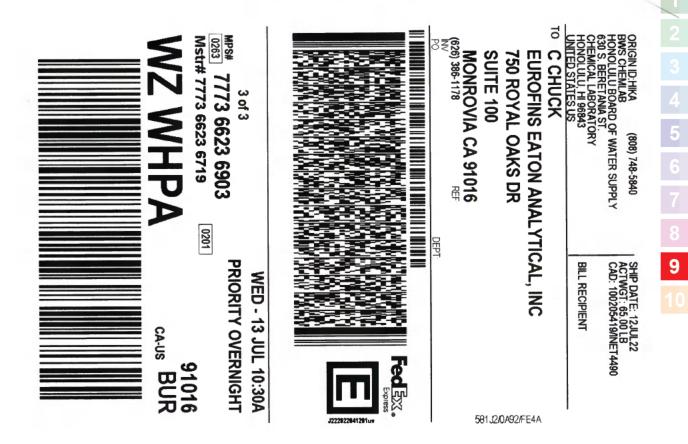
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Bottle Order Information

Bottle Order: RED-HILL - Weekly Resample Bottle Order #: 2167 Request From Client: 7/1/2022 Date Order Posted: 7/1/2022 11:43:31AM Ready To Process Order Status: Prepared By: Davis Haley Deliver By Date: 7/7/2022 11:59:00PM Lab Project Number: 38001111 PWSID:

Order Completion Information

Davis Haley Creator: Filled by: Sent Date: Sent Via: Tracking #:

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative		Viethod	Matrix	Sample Type	Comments	Lot #		
1	4	4	Voa Vial 40ml Amber - Sodium thiosulfate	Sodium Thiosulfate		ACT - 8015 Gas ble) LL (EAL)	Water	Normal				
1	3	3	Amber Glass 1 liter - Sodium Thiosulfate	Sodium Thiosulfate		SUBCONTRACT - 8015 Diesel LL (EAL) and Motor Oil		UBCONTRACT - 8015 Diesel LL		Normal		
1	2	2	Voa Vial 40ml - with Sodium Thiosulfate	Sodium Thiosulfate	SUBCONTRACT - 8015 Gas (Purgeable) LL (EAL)		Water	Trip Blank				
Total	Bottle Summ	nary			141							
Bottle	Type Descr	iption		Preservative	8	Bottle	Count					
Amber	Glass 1 liter -	Sodiur	n Thiosulfate	Sodium Thios	ulfate		3					
Voa Vi	al 40ml - with \$	Sodium	Thiosulfate	Sodium Thios	ulfate		2					
Voa Vi	al 40ml Amber	- Sodi	um thiosulfate	Sodium Thios	ulfate		4					
					Total E	Bottles:	9					
lotes t	o Field Staff	:		Health and Preservative	Safety Notes:	Comment				STREET.		
	C 100 1		code for field instructions	Sodium Thio	sulfate				. Harmful if inhaled. U ade, FLUSH IMMEDIA			

water.

Relinquished By	Company	Date	Time	Received By		Seal # Seal # Seal #
Relinquished By	Company	Date	Time	Received By	Company	Seal # Seal # Seal #

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

Client: City & County of Honolulu

Login Number: 8865 List Number: 1 Creator: Ngo, Theodore

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 leg ble 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