

ACCREDITED

CERTIFICATE #'S 5890.01 & 5890.02

750 Royal Oaks Drive, Suite 100 Monrovia, California 91016-3629 Tel: (626) 386-1100 Fax: (866) 988-3757 1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Honolulu Board of Water Supply 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 96843 Attention: Erwin Kawata

Fax: 808-550-5018



Report: 993237 Project: RED-HILL

Group: TPH-8015 RED-HILL (2022) Weekly

DEB: Debbie L Frank

Project Manager

- * Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.
- * Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis.
- * As applicable, this report consists of the cover page, State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms.
- * Test results relate only to the sample(s) tested.
- * Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).
- * This report shall not be reproduced except in full, without the written approval of the laboratory.
- * This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.



STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	NE-OS-21-13
Arkansas	CA00006	Nevada	CA00006
California	2813	New Hampshire *	2959
Colorado	CA00006	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	CA00006
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	21-008R	Ohio - 537.1	87786
Hawaii	CA00006	Oregon *	4034
ldaho	CA00006	Pennsylvania *	68-00565
Illinois	200033	Puerto Rico	CA00006
Indiana	C-CA-01	Rhode Island	LAO00326
Iowa – Asbestos	413	South Carolina	87016
Kansas *	E-10268	South Dakota	CA11320
Kentucky	90107	Tennessee	TN02839
Louisiana *	LA008	Texas *	T104704230-20-18
Maine	CA00006	Utah (Primary AB) *	CA00006
Maryland	224	Vermont	VT0114
Marianas Islands	MP0004	Virginia *	460260
Massachusetts	M-CA006	Washington	C838
Michigan	9906	EPA Region 5	CA00006
Mississippi	CA00006	Los Angeles County Sanitation Districts	10264

^{*} NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2917 Accredited Method List

The test listed below are accredited and met the requirements of ISO/IEC 17025 as verify by A2LA. Refer to our certificates and scope of accreditations (no. 5890-1 and 5890-2) found at:

https://www.eurofinsus.com/Eaton

Enterococc Enterolect				www.cu
Enterococci	Teet(e)	Method(e)	Potable	Waste
Escherichia coli	Test(s)	ivietilou(s)	Water *	Water
Escherichia coli	Enterococci	Enterolert	¥	¥
Feeal Coliform (P/A and Enumeration)			^	
Fecal Coliform (PIÁ and Enumeration)	1		Х	
Enumeration Fecal Streptococci and Enterococci SM 9230 B X X X Enumeration Enterococci SM 9215 B X X Elegionella Legionella X X X X X X X X X				
Entimetation			×	x
Enterococci	Enumeration)	E (MTF/EC)	,	^
Heterotophic Bacteria	Fecal Streptococci and	014 0000 P		
Heterotrophic Bacteria	Enterococci	SM 9230 B	Х	Х
Legionella		SM 9215 B	v	
Desire				
Pseudomonas aeruginosa	Legionelia		Х	
Total Coliform (P/A and Enumeration)	Pseudomonas aeruginosa		¥	
Enumeration Se218, SM 5221 c	1 Scudomonas acruginosa	Pseudalert	^	
Entumeration	Total Coliform (P/A and		v	v
Total Coliform, Total Coliform with Chlorine Present	Enumeration)	9221B, SM 9221 C	Х	Х
Coliforn with Chlorine				
Present			v	v
Total Coliforn/E. coli (PIA and Enumeration, Ideox Collect Ideox Colliert 18, Colisure)		SM 9221 B	^	^
Enumeration, idex Colliert, ideax Colliert 18, Colliert				
Total Microcystins and Nodularins		0110000		
Total Microcystins and Nodularins EPA 546		SM 9223	Х	
Nodularins				
Yeast and Mold		EPA 546	Х	
1,2,3-Trichloropropane (TCP) at 5 PPT				
CTCP at 5 PPT	Yeast and Mold	SM 9610	X	
CTCP at 5 PPT				
1,4-Dioxane			¥	
Acrylamide	(TCP) at 5 PPT	TCP	^	
Acrylamide	1,4-Dioxane	EPA 522	Х	
Acrylamide				
Acrylamide	2,3,7,8-TCDD		Х	
Algal Toxins/Microcys in	Acadomido			
Alkalinity				
Ammonia	Algal Toxins/Microcys in	⁺ LCMS 3570	X	
Ammonia	Alkalinity	SM 2320B	Х	Х
Ammonia		EPA 350 1		
H	Ammonia			v
Asbestos	Ammonia			^
Bicarbonate Alkalinity as HCO3				
BODI/CBOD	Asbestos	EPA 100.2	X	Х
BOD/CBOD	Bicarbonate Alkalinity as	SM 2330 B	.,	.,
BOD/CBOD			Х	Х
Bromate		SM 5210 B		v
Carbonate as CO3				^
Carbonyls EPA 556 X X Chemical Oxygen Demand EPA 410.4, SM 5220D Chlorinated Acids EPA 515.4 X Palin Test Chlordio X Plus, SM 4500-CLO2 D Chlorine, Free, Combined, Total Residual, Chloramines Color SM2120B X Conductivity EPA 120.1, SM 2510B X Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated Cyanide (Amenable) SM 4500-CN G X Cyanide (Free) SM 4500-CN G X Cyanide (Total) EPA 335.4 X X Cyanogen Chloride +335 Mod (Screen) (WC-24467) Diquat and Paraquat EPA 549.2 X DBP and HAA SM 6251 B X Dissolved Oxygen SM 4500-C G X EDB/DCBP/TCP EPA 504.1 X Endothall EPA 548.1, *(LCMS-24445) X Eluoride SM 4500-C C X Glyphosate and AMPA *LCMS-3618 X				
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Total Residual, Chloramines	Chloring Free Combined			
Chloramines		SM 4500-CI G	v	
Color	,		^	
Conductivity				
Conductivity	Color	SM2120B	X	
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	O dotiit	EPA 120.1,		
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	Conductivity	SM 2510B	Х	Х
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Screen			Ā	X.
Screen (WC-24467)	, ,		X	
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Disinfection Byproducts		EPA 504.1	Х	
EDTA and NTA	EDB/DBCP and	EDA 554 4	v	
EDTA and NTA	Disinfection Byproducts	EPA 001.1	X	
Endothall		+ WC-2454	У	
+(LCMS-2445)	25 IT GIRG IVITA		^	
Tluoride	Endothall		х	
Glyphosate				
Glyphosate		SM 4500F C	X	X
Glyphosate and AMPA + LCMS-3618 x	Fluoride	0111 10001 0		
			Х	
Gross Alpha and Gross Beta EPA 900.0 x x	Glyphosate	EPA 547		

s.com/Eaton		5 () .	
Test(s)	Method(s)	Potable Water *	Waste Water
Gross Alpha coprecipitation	SM 7110 C	x	х
Hardness	SM 2340 B	Х	Х
Hexavalent Chromium	EPA 218.6,	Х	Х
Hexavalent Chromium	EPA 218.7,	Х	
Hexavalent Chromium	SM 3500-Cr B		Х
Inorganic Anions and DBPs	EPA 300.0	Х	Х
Norganic Anions and DBPs	EPA 300.1	Х	
Kjeldahl Nitrogen	EPA 351.2 EPA 200.7.		Х
Metals	EPA200.8	Х	х
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	X	
Nitrate/Nitrite Nitrogen	EPA 353.2	Х	Х
Odor	SM2150B	Х	
Organohalide Pesticides and PCB	EPA 505	х	
Ortho Phosphate	SM 4500P E	х	
Oxyhalides Disinfec ion			
Byproducts	EPA 317.0	Х	
Perchlorate	EPA 331.0	X	
Perchlorate (Low and High Levels)	EPA 314.0	x	
Perfluorinated Alkyl Acids	EPA 533, EPA	х	
PPCP and EDC	537, EPA 537.1		
PPCP and EDC	*LCMS-2443 EPA 150.1	Х	
pН	SM 4500-H+ B	x	х
Phenolics – Low Level	*WC 2493 (EPA		
MICHORICS – LOW LEVEL	420.2 and EPA	x	х
Dhan ton	420.4 MOD)		
Phenylurea Pesticides/Herbicides	+LCMS-2448	х	
Radium-226, Radium-228	GA Tech (Rad- 2374)	x	
Radon-222	SM 7500RN	Х	
Residue (Filterable)	SM 2540C	Х	Х
Residue (Non-Filterable)	SM 2540D		Х
Residue (Total)	SM 2540B		Х
Residue (Volatile)	EPA 160.4		Х
Semi-Volatile Compounds	EPA 525.2	Х	
Silica	SM 4500-SiO2 C	x	x
Sulfide	SM 4500-S D		Х
Sulfite	SM 4500-SO3 B	Х	Х
Surfactants	SM 5540C	X	Х
Taste and Odor	SM 6040 E	Х	
Total Organic Carbon	SM 5310 C	Х	Х
Total Phenols	EPA 420.1		Х
Total Phenols	EPA 420.4	Х	Х
Triazine Pesticides and their Degradates	+LCMS-3617	x	
Turbidity	EPA 180.1	Х	Х
Uranium by ICP/MS	EPA 200.8	Х	
UV 254 Organic Constituents	SM 5910B	x	
VOCs	EPA 524.2	Х	
	+(GCMS 2412)		
VOCs	by EPA 524.2	x	
	modified		

^(*) includes: Bottled Water, Drinking Water and Water as Component of Food & Beverage.

⁽⁺⁾ In-House Method



Acknowledgement of Samples Received

Addr: Honolulu Board of Water Supply

630 South Beretania Street Public Service Bldg." Room 308

Honolulu, HI 96843

Attn: Erwin Kawata Phone: 808-748-5091 Client ID: HONOLULU Folder #: 993237 Project: RED-HILL

Sample Group: TPH-8015_RED-HILL (2022) Weekly

Project Manager: Debbie L Frank

Phone: (626) 386-1149

PO #: C20525101 exp 05312023

The following samples were received from you on **March 16, 2022** at **1239**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
202203160757	AIEA GULCH WELLS P2 (331-202-TP072)	03/14/2022 1043
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
202203160773	TB:AIEA GULCH WELLS P2 (331-202-TP072)	03/14/2022 1043
	(SUB)Gas Fraction Hydrocarbons	

Test Description

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CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONL

LOGIN COMMENTS:

750 Royal Oaks Drive, Suite 100 Monrovia, CA 91016-3629

Colton / No. California / Arizona SAMPLE TEMP RECEIVED AT:

Monrovia

800 566 LABS (800 566 5227)

)	(maril
SOFINS EATON ANALYTICAL USE ONLY:				מתיונדי
GIN COMMENTS:		SAMPLES	SAMPLES CHECKED AGAINST COC BY: [3T COC BY: (M)
			SAMPLES LOG	SAMPLES LOGGED IN BY:
APLE TEMP RECEIVED AT:		SAMPLE	ES REC'D DAY OF CO	SAMPLES REC'D DAY OF COLLECTION? (check for yes)
Colton / No. California / Arizona	°C (Compliance: 4 ±			
Monrovia 5.D	5.b °C (Compliance: 4±2°C)	.2°C)		
CONDITION OF BLUE ICE: Frozen	Partially Frozen	Thawed	Wet Ice	No Ice
METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other:	/ (FedEx) / UPS /	DHL / Area Fast /	Top Line / Other:	

TO BE COMPLETED BY SAMPLER:							(check for yes)	es)		(check for yes)
COMPANY/AGENCY NAME:		PROJECT CODE:			-	COMPLIA	COMPLIANCE SAMPLES	NON-COMP	NON-COMPLIANCE SAMPLES	LES X
BWS HONOLULU	7.0	RED	RED HILL			 Requires stat Type of samples (circle one): 	e forms ROUTINE	REGULATIC	REGULATION INVOLVED: CONFIRMATION (eg. SDWA,	REGULATION INVOLVED: SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA)
EEA CLIENT CODE: CO	COC ID:	SAMPLE GROUP:			0,	SEE ATTACHED	SEE ATTACHED BOTTLE ORDER FOR ANALYSES	R ANALYSE	S X (chec	X (check for yes), OR
						list ANALYSES RE	list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)	r of bottles ser	it for each test	for each sample)
TAT requested: rush by adv notice only	only	STD_ 1 wk X 3 day	2 day	1 day	- N					
SAMPLE ID	.E ID	CLIENT LAB ID	· XIRTAM	ATAO OJSIR	ATAO OJSIS	Mar. 2022				SAMPLER
63/1422 [OUZAiea Gulch Wells Pump 2	Pump 2	HI0000331-202	CFW	T.E.		X				
					T					
					1					
					77 65					
					1.00					
					a point				Ten	Temp Blank: °C
	2									
* MATRIX TYPES: RSW = Raw Surface Water RGW = Raw Ground Water	RSW = Raw Surface Water RGW = Raw Ground Water	CFW = Chlor(am)inated Finished Water FW = Other Finished Water	ted Finis Water	ned Wa		SEAW = Sea Water WW = Waste Water	BW = Bottled Water SW = Storm Water	ter SO = Soil er SL = Sludge		O = Other - Please Identify
SIGNATURE	FURE			PRINT NAME	ME		COMPANY/TITLE		DATE	TIME
				Lew Bailey	ey		Honolulu Board of Water Supply	Supply	March 14, 2022	22
RELINQUISHED BY		(Lew Bailey	cy.		Honolulu Board of Water Supply	Supply	15 march 21	12CD
RECEIVED BY:		0	っつって	1	SAUCH	F	643		3.16.22	1239
										•
RECEIVED BY:					News S					
										PAGE 1 OF 1

	ar not.	·	N/A					(5,	(0,		Results:	ę	clients; a.tt. None/<6 >6mm . Tes			TIME	239	TIME		
RECORD	ermine whether to proceed with analysis / No	8	en Thawed			lection, within 8 hours)		C) (Corr,Factor .C) (Final	*C) (Corr.Factor *C) (Final =	ion)	Expiration Date		itional bottles)	Test Samp ID com		DATE	21 22.91:5	DATE		
OF CUSTODY	SAMPLE TEMP RECEIVED: Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not. SAMPLES REC'D DAY OF COLLECTION? Yes / No	(Final = $\frac{3.8}{v}$ °C)	Frozen A Partially Frozen	Top Line / Other:	illection)	e the same day as sample col	ctlon)	.c) (Finel - (C) 2 - (Observation - (C)	C) (Final = 'C) 4 = (Observation=	after 24 hrs of sample collect	pH strip type: 0 - 14 or	te: Results	Samples with Headspace (see below): Idon Internal COFC for additional bottli S, 556, 638, Anaboxin, LCMS methods using 40 ml vi	Samp ID Bottle # mm >5mm		COMPANY/TITLE .	Eurofins Eaton Analytical	COMPANY/TITLE	Eurofins Eaton Analytical	·
INTERNAL CHAIN OF CUSTODY RECORD	SAMPLE TEMP RECEIVED: Note: If samples are out of temperature range, SAMPLES REC'D DAY OF G	0) (0, 1		Fedex / UPS / DHL / Area Fast / Top Line / Other:	received after 24 hrs of sample co	en (can be ≥10°C If received on lo	C (if received after 2 hours of sample collection)	(Observation= 'C) (Corr.Factor (C) (3 * (Dhaervellan* 'C) (Corr.Faclor 'C) (veen 0-4 °C, not frozen (If recelved	Lot Number:pH strip	Lot No.: Expiration Date:	No Samples with Headspace: Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) age concerns: Methods 515.4, HAA(5251,552), 505, 5PME, @CH, 532LCMS, 556, 536, Anatosin, LCMS methods using 40 ml vials,	otlle # None/ mm Test	e notential sampling errors):	PRINT NAME	Mar Broch	PRINT NAME		
	EEA Folder Number: Gyffyth Amalytical	IR Gun ID = $\frac{40 \text{ l}}{100 \text{ l}}$ (Observation= $\frac{4.0 \text{ l}}{100 \text{ l}}$	TYPE OF ICE: Real Synthetic No Ice	METHOD OF SHIPMENT: Pick-Up / Walk-in / Fer	Compliance Acceptance Criteria: 1) Chemistry: >0, ≤6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)	2) Microblology, 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 reco	If out of temperature range for both Chemistry and Microbiology supplies and temperature does not confirm, then measure the second and temperature does not confirm, then measure to the confirm of one of social and record and temperature of the	quadrants	4 Dloxin (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:	6) Chlorine check, Manufacturer: Sansafe. Lot No.:	On	Samp ID Bottle # None/<6 >6mm Test . Samp ID B	(errors):	Note Sample IDs William days dissuming incursional	(A) (2)	SIGNATURE	SAMPLES CHECKED AGAINST-GOG BY:	



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

2. Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Created Date & Time: 1/3/2022 12:06:33AM

Note: Sampler Please return this paper with your samples

Kit #: 309377

Created By: - [AutoGenerated]

Deliver By: 02/02/2022

STG: Bottle Orders

Ice Type: G

Pre Registered

C20525101 exp 05312023 PO#/JOB#:

AIEA WELLS PUMPS 1&2 (260) - (Description:

Red-Hill Expanded List (Albuquerque+) Citent ID: HONOLULU U RED-HILL Bottle Orders Project Cods: Group Name:

Honolulu Board of Water Supply 630 South Beretania Street Attn: Ron Fensternacher Phone: 808-748-5841 Ship Sample Kits to Honolulu, HI 96843 Fax: 808-550-5572 Chemistry Lab

Honolulu Board of Water Supply Public Service Bldg." Room 308 **630 South Beretania Street** Phone: 808-748-5091 Honolulu, HI 98843 Attr Erwin Kawata Fax: 808-550-5018 Send Report to

Honolulu Board of Water Supply Public Service Bldg." Room 308 630 South Beretania Street Phone: 808-748-5091 Honolufu, HI 95843 Fax: 808-550-5018 Attr: Erwin Kawata Billing Address

LOO NO

Total

ø

6 6

Bottle Qty - Type [preservative information] 6 - 1L amber glass [1 ml Thio 8%] TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH

2 - 40ml amber glass vial [1 drop Thio (8%) + H20] 3 - 40ml amber glass vial [1 drop Thio (8%)]

Sum Bottles: 11

Comments

Sum Tests: 3

@504MOD TB C, 8015 Gas_C TB

8015 Jet Fuel 8_C

Sample Tests

8015 Gas_C

<u>VEAWELLS PUMPS 482 (250) (331-203-TP400)</u>

SAMPLER:

Four 1 LITER AMBER GLASS BOTTLES FOR 625 SERIES AND Six 1 LITER AMBER GLASS BOTTLES FOR TPH 8015 SERIES.

SHIPPING

Travel Blanks - TBA/MTBE, VOASDWA - Prepare TBs in the VOA LAB.

Label Cooler on TOP and right below both Handles with Site description of contents (use extra Contaienr Labels)

ASM: Be sure to coordinate Follow-up as needed for any new detections in Field samples. Acetons - follow-ups need to use EPA 624

Status

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Date Shinned

Prenared By

of Coolers

Code



Tel: (626) 386-1100 Fax: (866) 988-3757

1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 993237 Project: RED-HILL

Group: TPH-8015_RED-HILL (2022) Weekly

Honolulu Board of Water Supply Erwin Kawata 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 96843

Folder Comments

Results for Gasoline, Diesel and Motor Oil are submitted by Emax Laboratories



Tel: (626) 386-1100 Fax: (866) 988-3757 1 800 566 LABS (1 800 566 5227) **Laboratory Hits**

Report: 993237 Project: RED-HILL

Group: TPH-8015_RED-HILL (2022) Weekly

Honolulu Board of Water Supply

Erwin Kawata 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 96843 Samples Received on: 03/16/2022 1239

Analyzed Analyte Sample ID	Result	HI Limit	Units	MRL	
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Laboratory Data

Report: 993237 Project: RED-HILL

Group: TPH-8015_RED-HILL (2022) Weekly

Tel: (626) 386-1100 Fax: (866) 988-3757

1 800 566 LABS (1 800 566 5227)

Honolulu Board of Water Supply

Erwin Kawata 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 96843 Samples Received on: 03/16/2022 1239

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
AIEA GU	LCH WELL	S P2 (331-20)2-TP072) (2022)	03160757)		Sam	pled on 03/14	/2022 104	3
		SW 8015B	- (SUB)Gas Frac	tion Hydroca	arbons				
03/19/22	03/19/22 00:42			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
		SW 8015B	- TPH 8015 Dies	el and Motor	Oil				
03/21/22 0	03/22/22 20:37			(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
03/21/22	03/22/22 20:37			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.047	1
TB:AIEA	GULCH WE	ELLS P2 (33	1-202-TP072) (20	02203160773)	1	Sam	pled on 03/14	/2022 104	3
		SW 8015B	- (SUB)Gas Frac	tion Hydroca	arbons				
03/19/22 0	03/19/22 01:17			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.05	1



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

Date: 03-28-2022 EMAX Batch No.: 22C221

Attn: Jackie Contreras

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

Subject: Laboratory Report

Project: 993237

Enclosed is the Laboratory report for samples received on 03/18/22. The data reported relate only to samples listed below:

Sample ID	Control # Col Date	Matrix	Analysis
202203160757	c221-01 03/14/22	WATER	TPH GASOLINE
			TPH DIESEL & MOTOR OIL
202203160773	c221-02 03/14/22	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,

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 CA002912021-19 ANAB Accredited DoD ELAP and ISO/IEC 17025 Certificate Number L2278 Testing California ELAP Accredited Certificate Number 2672

EMAX Laboratories, Inc.

Ship To:

3051 Fujita St

Torrance, CA 90505

Submittal Form

22022

Date: 3/18/2022

*REPORTING REQUIRMENTS: Do Not Combine Reports with any other semples submitted under different Folder Numbersl Report & Invoice must have the Folder# 993237 Job # 1000014 Report all quality control data according to Method. Include dates analyzed. Date extracted (if extracted) and Method reference on the report.

Results must have Complete data & QC with Approval Signature.

EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605 Reports: Jackie Contreras Sub-Contracting Administrator Invoices to: Eurofins Eaton Analytical, LLC Phone (626) 386-1165 Fax (626) 386-1122

Specified StateCertification # and Exp Date for requested tests + matrix. Provide in each Report the

Samples from: HAWAII

2-3 day rush

Fax: 310-618-0818

Phone: 310-618-8889

Report Due:

Folder #:

993237

03/23/2022

JLS SI **PWSID PWSID** Static ID: Clip Code Clip Code Sample Date & Time Matrix Time Matrix 2 2 Sample Point ID: 03/14/22 1043 **Date & Time** 03/14/22 1043 Sample Facility ID: (SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil Analysis Requested Client Sample ID for reference onl TB:AIEA GULCH WELLS P2 (331-202-TP072) AIEA GULCH WELLS P2 (331-202-TP072) Client Sample ID for reference onl Sample Event: **Prep Method EPA 5030C EPA 3550B** (4) \subseteq 202203160773 202203160757 Sample type: Sample ID Sample ID SW 8015B SW 8015B Method

(SUB)Gas Fraction Hydrocarbons Analysis Requested Sample Event: **Prep Method EPA** 5030C Sample type: SW 8015B Method

Static ID:

Sample Point ID:

Facility ID:

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn. Jackie Contreras

Date **2//8/22** Time_

Sample Control

Relinquished by:

2.3/1.8 Temp. 5.2/4.7

MF 3/18/22

Page 3 of 4

Time

Time

Date Date

Sample Control

REPORT ID: 22C221750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

Page 2 of 23

Relinquished by: Received by: Received by: Page 13 of 34 pages

Reference: Addendum SM02.11.2

Form: SM02F1

Cooler 6						7	
DEMOCRATION Close PMPC Sample Name Condes Squares			+	Airbill / Trac	cking Number	I	
COL INSPECTION Clear PMPC			+				
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Content Cont		N.C.: ADMICO					
Safety Names (of laws)							
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DH holding time requirement for water samples is 15 mins. Water samples for pH analysis are received beyorfd 15 minutes from sampling time. Description			707		<u> </u>		
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Code Description- Sample Management D1 Analysis is not indicated in CoC D2 Analysis mismatch COC vs label D3 Sample ID mismatch COC vs label D4 Sample ID is not indicated in D5 Container -[improper] [leaking] [broken] D6 Date/Time is not indicated in D7 Date/Time mismatch COC vs label D8 Sample received is not received D9 Sample received is not received D9 Sample received is not mismatch COC vs received D10 No initial/date on corrections in COC/label D11 Container size mismatch COC vs received D12 Container size mismatch COC vs received D13 Out of Holding Time D14 Bubble is >6mm R1 Proceed as indicated in CR place R2 Refer to attached instruction R3 Cancel the analysis R4 Use vial with smallest bubble first R5 Log-in with latest sampling date and time+1 min R6 Adjust pH as necessary R7 Filter and preserved as peccessary R8 Adjust pH as necessary R9 Sample received is not listed in COC D10 No initial/date on corrections in COC/label D11 Container count mismatch COC vs received D12 Container size mismatch COC vs received D13 Out of Holding Time R1 Proceed as indicated in CR R2 Refer to attached instruction R3 Cancel the analysis R4 Use vial with smallest bubble first R5 Log-in with latest sampling date and time+1 min R6 Adjust pH as necessary R7 Filter and preserved as peccessary R8 Adjust pH as necessary R9 Filter and preserved as peccessary R8 Adjust pH as necessary R9 Filter and preserved as peccessary R1 Filter and preserved as pecces							
Code Description- Sample Management Code Description- Sample Management Code Description- Sample Management Code Description- Sample Management R1 Proceed as indicated in COC Label	LEGEND:					☐ Continue to next n	age.
Analysis is not indicated in COC D13 Out of Holding Time R1 Proceed as indicated in COC D Label D14 Bubble is >6mm R2 Refer to attached instruction R3 Cancel the analysis R4 Use vial with smallest bubble first R5 Log-in with latest sampling date and time+1 min D6 Date/Time is not indicated in D18 Insufficient chemical preservative D15 No trip blank in cooler D16 Preservation not indicated in R4 Use vial with smallest bubble first D17 Preservation mismatch COC vs label D18 Insufficient chemical preservative D19 Date/Time mismatch COC vs label D19 Insufficient Sample D19 Sample listed in COC is not received D19 No initial/date on corrections in COC/label D10 No initial/date on corrections in COC/label D11 Container size mismatch COC vs received D23 PNO sample for my isture determination D24 R11 D25 Sample Labeling D26 Sample Labeling D27 Sample Labeling D28 Sample Labeling D29 Sample COC vs received D29 Date U3/18/22 DIV Date U3/18/22 Date D29 Date U3/18/22 DIV Date U3/18/22 Date D20 Date U3/18/22 DIV Date U3/18/22 Date D20 Date U3/18/22 DIV Date U3/18/22 Date	Code Description-Sample Mana	agement	Code 1	Description-Sample Mar	nagement	-	-
Analysis mismatch COC vs label D14 Bubble is >6mm R2 Refer to attached instruction R3 Cancel the analysis R4 Use vial with smallest bubble first R5 Log-in with latest sampling date and time+1 min D16 Date/Time is not indicated in					-ag-ment	- · · · · · · · · · · · · · · · · · · ·	•
D3 Sample ID mismatch COC vs label D4 Sample ID is not indicated in D5 Container - [improper] [leaking] [broken] D6 Date/Time is not indicated in D7 Date/Time mismatch COC vs label D8 Sample listed in COC is not received D9 Sample received is not listed in COC D10 No initial/date on corrections in COC/label D11 Container size mismatch COC vs received D12 Container size mismatch COC vs received D24 Sample Labeling Fiver A Date 03/16/22 D3/16/22 D4 Sample Labeling Fiver A Date 23/16/22 D15 No trip blank in cooler R3 Cancel the analysis R4 Use vial with smallest bubble first R4 Use vial with smallest bubble first R5 Log. in with latest sampling date and time+1 min R6 Adjust pH as necessary R7 Filter and preserved as necessary R8 Adjust pH as necess				•	•		
D4 Sample ID is not indicated in D16 Preservation not indicated in R4 Use vial with smallest bubble first D5 Container - [improper] [leaking] [broken] D17 Preservation mismatch COC vs label R5 Log-in with latest sampling date and time+1 min D18 Insufficient chemical preservative R6 Adjust pH as necessary R7 Filter and preserved as necessary R8 Adjust pH		· ·					1
D5 Container - [improper] [leaking] [broken] D6 Date/Time is not indicated in				· ·	in		
Date/Time is not indicated in							
Date/Time mismatch COC vs label D19 Insufficient Sample R7 Filter and preserved as necessary D20 No filtration info for dissolved analysis R8 D21 No sample for moisture determination D22 No sample for moisture determination D10 No initial/date on corrections in COC/label D11 Container count mismatch COC vs received D12 Container size mismatch COC vs received EVIEWS: Sample Labeling Fivery Date 03/18/12 D111 Date 03/18/12 D111 D12 D13 D14 D15 D15 D15 D15 D16 D16 D16 D17							date and time+1 min
D8 Sample listed in COC is not received D20 No filtration info for dissolved analysis D8 Sample received is not listed in COC D21 No sample for moisture determination D10 No initial/date on corrections in COC/label D11 Container count mismatch COC vs received D12 Container size mismatch COC vs received D23 EVIEWS: Sample Labeling Fivery Date 03/18/22 D11					ervative	Λ΄.	1.01.
D10 No initial/date on corrections in COC/label D11 Container count mismatch COC vs received D12 Container size mismatch COC vs received EVIEWS: Sample Labeling Fivery Date 03/18/22 D21 No sample for moisture determination D22				•		1 1/2 1/1	ssary
D10 No initial/date on corrections in COC/label D11 Container count mismatch COC vs received D12 Container size mismatch COC vs received EVIEWS: Sample Labeling Fivera Date 03/18/22 DIV Date 3/16/12 Date	the state of the s				· / /		u went
D11 Container count mismatch COC vs received D23 R11 R12 EVIEWS: Sample Labeling Fivera Date 03/18/22 Date 103/18/22 Date 23/18/22 Date 23/18/22 Date 23/18/22 Date 23/18/22 Date 23/18/22			7. 1	o sample for moisture dete	rmination //// 12		
D12 Container size mismatch COC vs received EVIEWS: Sample Labeling Fivera Date 03/18/22 DIV Date 3/15/12 Date 03/18/22 DIVIN Date 3/15/12				2/2/49 A	- 0/19/00	· · · · · · · · · · · · · · · · · · ·	
Sample Labeling Fiver Surf Date 03/18/22 DIFF Date 3/15/12 Date		\sim	_	<u> </u>			
Sample Labeling Fiver SRF Colors Date 03/18/22 DIV Date 3/16/12 Date	NEXTEDIALO.	1 1	1 D24 -		-	R12	$ \Lambda M$
Date 03/18/22 Date 3/18/22 Date 3/18/22			1.,.)	-1/0 A		11/15
FMAY Laborate in Land 2001 E. W. Co. Th. Co. 2001				•		PI	M - 71 M - 7
EMAX Laboratories Inc. 3051 Fujita St. Tarrance CA 90505	Date	N3118122 2/ 4/6	U	Dat	e 5/10/10	Dat	te 2/18/1
DED CORT ID COCCOCA 1 1 LANGUA LANGUARIOUS DE AUGUS AL LARRONSO LA MINIME		1 / /	4 Y I ^L	paratories Inc 2051 E	uiita St. Tannana CA 0000	<i>E</i>	T 1

REPORT ID: 22C221

Page 3 of 23 Page 14 of 34 pages

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

993237

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

SDG#: 22C221

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 993237

SDG : 22C221

METHOD 5030B/8015B

TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

A total of two(2) water samples were received on 03/18/22 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. VGH7C06B - 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. VGH7C06L/VGH7C06C 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 C219-01M/C219-01S. 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.

LAB CHRONICLE TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

									ON SUS	. 225221
Client : F	: EUROFINS EATON ANALYTICAL	TICAL								
Project : 9	: 993237								Instrument ID : H/	
					WATER	ER				
Client	Labo	pratory	aboratory Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	Samp	Sample ID	Factor	Moist	DateTime	DateTime	Data FN	Data FN	Batch No	Notes
	1 1	1 1 1 1 1 1 1 1	1 1	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ; ; ; ;	!	1 1 1 1 1	1 1 1 1 1 1 1	
MRI K1U	7HDV	VGH7C06B	-	NA	03/18/2220:07	03/18/2220:07	AC18017A	AC18016A	22VGH7C06 Method Blank	thod Blank
LCS1W	VGH ⁷	/GH7c06L	_	NA	03/18/2220:41	03/18/2220:41	AC18018A	AC18016A	22VGH7C06 La	22VGH7CO6 Lab Control Sample (LCS)
LCD 1W	VGH7	2902Z	_	AN	03/18/2221:16	03/18/2221:16	AC18019A	AC18016A	22VGH7C06 LCS Duplicate	S Duplicate
202203160757	C25.	C221-01	-	Ν	03/19/2200:42	03/19/2200:42	AC18025A	AC18016A	22VGH7C06 Field Sample	eld Sample
202203160773	C25.	1-02	-	NA	03/19/2201:17	03/19/2201:17	AC18026A	AC18016A	22VGH7CO6 Field Sample	eld Sample

FN - Filename % Moist - Percent Moisture

SAMPLE RESULTS

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

Client : EUROFINS EATON ANALYTICAL Date Collected: 03/14/22 10:43 Date Received: 03/18/22

Project : 993237 Batch No. : 22C221 Sample ID : 202203160757 Date Extracted: 03/19/22 00:42 Date Analyzed: 03/19/22 00:42

Lab Samp ID: C221-01 Dilution Factor: 1 Matrix: WATER Lab File ID: AC18025A Ext Btch ID: 22VGH7C06 % Moisture: NA Instrument ID: H7 Calib. Ref.: AC18016A

RESULTS RL MDL (mg/L) (mg/L) PARAMETERS ______ ND 0.020 0.010 GASOLINE

RESULT SPK_AMT %RECOVERY QC LIMIT SURROGATE PARAMETERS 0.0391 0.0400 98 60-140 Bromofluorobenzene

Notes:

Parameter H-C Range C6-C10 Gasoline

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Final Volume : 5ml Sample Amount : 5ml Analyzed by : SCerva : SCerva Prepared by

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

 Client
 : EUROFINS EATON ANALYTICAL
 Date Collected: 03/14/22 10:43

 Project
 : 993237
 Date Received: 03/18/22

 Batch No.
 : 22C221
 Date Extracted: 03/19/22 01:17

 Sample ID
 : 20223160773
 Date Analyzed: 03/19/22 01:17

Lab Samp ID: C221-02 Dilution Factor: 1 Lab File ID: AC18026A Matrix: WATER Ext Btch ID: 22VGH7C06 % Moisture: NA Instrument ID: H7 Calib. Ref.: AC18016A

RESULTS RL MDL
PARAMETERS (mg/L) (mg/L) (mg/L) ND 0.020 0.010 GASOLINE

RESULT SPK_AMT %RECOVERY QC LIMIT SURROGATE PARAMETERS Bromofluorobenzene 0.0401 0.0400 100 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.

Final Volume: 5ml Sample Amount : 5ml Analyzed by : SCerva Prepared by : SCerva

QC SUMMARIES

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

Client : EUROFINS EATON ANALYTICAL Date Collected: 03/18/22 20:07 Project : 993237 Batch No. : 22C221 Sample ID : MBLK1W Date Received: 03/18/22 Date Extracted: 03/18/22 20:07

Date Analyzed: 03/18/22 20:07 Lab Samp ID: VGH7C06B Dilution Factor: 1

Lab File ID: AC18017A Matrix: WATER Ext Btch ID: 22VGH7C06 % Moisture: NA Instrument ID: H7 Calib. Ref.: AC18016A

RESULTS RL MDL
PARAMETERS (mg/L) (mg/L) (mg/L) ND 0.020 0.010 GASOL I NE

SURROGATE PARAMETERS RESULT SPK_AMT %RECOVERY QC LIMIT Bromofluorobenzene 0.0398 0.0400 100 60-140 ______

Notes:

Parameter H-C Range Gasoline C6-C10 Gasoline C6-C10

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Final Volume: 5ml Sample Amount : 5ml Analyzed by : SCerva Prepared by : SCerva

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 993237 : 22C221

METHOD

: 5030B/8015B

MATRIX	:	WATER
DILUTION	FACTOR:	1

% MOISTURE:NA

SAMPLE ID LAB SAMPLE ID : VGH7C06B

: MBLK1W LAB FILE ID : AC18017A LCS1W VGH7C06L AC18018A LCD1W VGH7C06C AC18019A

AC18016A

DATE PREPARED : 03/18/22 20:07 DATE ANALYZED : 03/18/22 20:07 PREP BATCH : 22VGH7C06 CALIBRATION REF: AC18016A

03/18/22 20:41 03/18/22 20:41 22VGH7C06 AC18016A

03/18/22 21:16 03/18/22 21:16 22VGH7C06

ACCESSION:

QCLimit MaxRPD LCSRcsult LCSRec SpikeAmt LCDResult LCDRec MBResult SpikeAmt (mg/L) (%) (%) **PARAMETERS** (mg/L) (mg/L) (%) (mg/L) (%) (%) (mg/L) 0.500 0.525 105 0.500 0.511 102 60-130 30 ND Gasoline

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0478	120	0.0400	0.0472	118	70-130
Brollio i Luorobenzene	0.0400	0.0470	120	0.0400	0.0412	110	10 150

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

EMAX QUALITY CONTROL DATA MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL

PROJECT : 993222 BATCH NO. : 22C219 METHOD : 5030B/8015B

MATRIX :	WATER		% MOISTURE:NA
DILUTION FACTOR:	1	1	1
SAMPLE ID :	202203160673	202203160673MS	202203160673MSD
LAB SAMPLE ID :	C219-01	C219-01M	C219-01S
LAB FILE ID :	AC18020A	AC18021A	AC18022A
DATE PREPARED :	03/18/22 21:50	03/18/22 22:24	03/18/22 22:59
DATE ANALYZED :	03/18/22 21:50	03/18/22 22:24	03/18/22 22:59
PREP BATCH :	22VGH7C06	22VGH7C06	22VGH7C06
CALIBRATION REF:	AC18016A	AC18016A	AC18016A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND	0.500	0.503	101	0.500	0.520	104	3	50-130	30
=======================================	=========	========	=======================================	======	========	=======================================	=======		========	:======
SURROGATE PARAMETER		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromofluorobenzene		0.0400	0.0470	118	0.0400	0.0478	120		60-140	

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

993237

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22C221

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 993237

SDG : 22C221

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 03/18/22 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. DSC029WB - 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. DSC029WL/DSC029WC 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. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22C219-01M/22C219-01S. Refer to Matrix QC summary form for details.

Surrogate

Surrogates were added on QC and field samples. All surrogate recoveries were 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.

REPORT ID: 22C221

LAB CHRONICLE TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

	C. C. C. C. DOCING EATON ANALYTICAL	1001							SDG NO.	SDG NO. : 255221
	EUNOFING EALON ANALLI.	1,77								4
Project :	: 993237								Instrume	Instrument IV : US
 		 	## ## ## ## ## ## ##							
					WATER	ER				
client	Labor	ratory	Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	η Prep.	
Sample ID	Samp	le ID	Sample ID Factor	Moist	DateTime	DateTime	Data FN	Data FN	Betch	Notes
	, , , , , , , , , , , , , , , , , , , ,	1 1 1 1	1 1 2 2 2	1 1 1	1 1 1 1 1 1 1	# # # # # # # # # # # # # # # # # # #			; ; ; ; ;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MRI K1W	DSCO	SC029WB	_	NA	03/22/2218:29	03/21/2210:15	LC21100A	LC21098A	22DSC029W	22DSC029W Method Blank
LCS1W	DSCO	SC029WL	_	NA A	03/22/2218:47	03/21/2210:15	LC21101A	LC21098A	22DSC029W	2DSC029W Lab Control Sample (LCS)
1.CD1W	DSC0!	OSC029WC	_	N	03/22/2219:05	03/21/2210:15	LC21102A	LC21098A	22DSC029W	2DSC029W LCS Duplicate
202203160757		-01	-	NA	03/22/2220:37	03/21/2210:15	LC21107A	LC21098A	22DSC029W	22DSCO29W Field Sample

SAMPLE RESULTS

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

: EUROFINS EATON ANALYTICAL Date Collected: 03/14/22 10:43 : 993237 Date Received: 03/18/22 Client

Project

Batch No. : 22C221 Date Extracted: 03/21/22 10:15 Sample ID : 202203160757 Date Analyzed: 03/22/22 20:37

Lab Samp ID: 22C221-01 Dilution Factor: 1 Lab File ID: LC21107A Matrix: WATER Ext Btch ID: 22DSC029W % Moisture: NA Calib. Ref.: LC21098A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.024	0.012	
Motor Oil	ND	0.047	0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.440	0.470	94	60-130
Hexacosane	0.137	0.118	117	60-130

Notes:

H-C Range Parameter C10-C24 Diesel C24-C36 Motor Oil

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Final Volume : 5ml Sample Amount : 1060ml

: POreto Analyzed by : SDeeso Prepared by

QC SUMMARIES

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

: EUROFINS EATON ANALYTICAL Date Collected: 03/21/22 10:15 Client

Date Received: 03/21/22

Project : 993237
Batch No. : 22C221
Sample ID : MBLK1W Date Extracted: 03/21/22 10:15 Date Analyzed: 03/22/22 18:29

Lab Samp ID: DSC029WB Dilution Factor: 1 Matrix: WATER Lab File ID: LC21100A Ext Btch ID: 22DSC029W % Moisture: NA

Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel Motor Oil	ND ND	0.025 0.050	0.012 0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIM

SURRUGATE PARAMETERS	KESULI	SPK_AMI	WKECOAEK!	WC LIMI
dec dec dat date date dec dec dec dec dec dec dec dec dec de	1.4.16.49			
Bromobenzene Hexacosane	0.403 0.137	0.500 0.125	81 109	60-130 60-130

Notes:

H-C Range Parameter Diesel C10-C24 Motor Oil C24-C36

Calib. Ref.: LC21098A

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1000ml Final Volume : 5ml

Analyzed by : SDeeso Prepared by : POreto

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL PROJECT : 993237

PROJECT : 993237 BATCH NO. : 22C221 METHOD : 3520C/8015B

% MOISTURE:NA DILUTION FACTOR: 1 1 SAMPLE ID : MBLK1W LAB SAMPLE ID : DSC029WB LCD1W LCS1W DSC029WL DSC029WC LC21102A 03/21/22 10:15 03/22/22 19:05 22DSC029W PREP BATCH : 22DSC029W 22DSC029W LC21098A LC21098A CALIBRATION REF: LC21098A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.50	2.48	99	2.50	2.41	96	3	50-130	30
=======================================	========	=========			========				========	=======
SURROGATE PARAMETERS		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.500 0.125	0.450 0.143	90 114	0.500 0.125	0.421 0.146	84 117		60-130 60-130	
	========					=======================================	=======	= == =====		======

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

EMAX QUALITY CONTROL DATA MS/MSD ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 993222

METHOD

: 22C219 : 3520C/8015B

MATRIX : WATER DILUTION FACTOR: 1

% MOISTURE:NA

SAMPLE ID : 202203160673

202203160673MS

0.539

0.159

0.555

0.139

LAB SAMPLE ID : 22C219-01

22C219-01M

202203160673MSD 22C219-01S

LAB FILE ID : LC21103A

DATE PREPARED : 03/21/22 10:15

LC21104A

LC21105A 03/21/22 10:15

DATE ANALYZED : 03/22/22 19:24

03/21/22 10:15 03/22/22 19:42

03/22/22 20:00

22DSC029W

22DSC029W

PREP BATCH : 22DSC029W CALIBRATION REF: LC21098A

Bromobenzene

Hexacosane

LC21098A

LC21098A

0.498

0.138

94

104

60-130

60-130

ACCESSION:

PARAMETERS	P\$Result (mg/L)	SpikcAmt (mg/L)	MSResult (mg/L)	MSRcc (%)	SpikcAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.78	3.04	110	2.65	2.77	105	9	50-130	30
=======================================		========	=========	======					ing had had had had ree less few less over and and had had had been seen and seed less had had had had been seen and seed less had	========
SURROGATE PARAMETERS		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	

97

115

0.530

0.132

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