

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

Date of Issue
02/17/2022

Lew Fank
EUROFINS KATON
ANALYTICAL, LLC

DEB: Debbie L Frank

Project Manager



Report: 982686 Project: RED-HILL

Group: Red-Hill Expanded List (Albuquerque+)

- * 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
Idaho	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

Test(s) Method(s) Water				WWW.Eui
Enterococi	Tost(s)	Method(s)	Potable	Waste
Escherichia coli	Test(s)	wethou(s)	Water *	Water
Escherichia coli	Enterococci	Enterolert	Y	Y
CEnumeration				
Fecal Coliform (P/A and Enumeration)			X	
Renumeration	,			
Entimeration		(MTF/FC) SM 9221	v	v
Enterococci	Enumeration)	E (MTF/EC)	^	^
Enterococci	Fecal Streptococci and			
Heterotrophic Bacteria		SM 9230 B	X	X
Legionella		OM 0045 D		
Desire				
Pseudomonas aeruginosa	Legionella	Legiolert®	X	
Total Coliform (P/A and Enumeration)		Idexx		
Total Coliform (P/A and Enumeration)	Pseudomonas aeruginosa	Pseudalert	X	
Enumeration S2218, SM 9221 C	Total Caliform (D/A and			
Total Coliform, Total Coliform with Chlorine Present	· · · · · · · · · · · · · · · · · · ·		х	х
Coliform with Chlorine Present Present		9221B, SM 9221 C		
Coliform with Chlorine Present Present	Total Coliform, Total			
Present	Coliform with Chlorine	01100015	х	х
Total Coliforn/E. coli (P/A and Enumeration, Ideax Colient, Idea		SM 9221 B		
Enumeration, Idexx Colliert, Idexx Colliert 18, Collier				
Idex		CM 0222	v	
Total Microcystins and Nodularins SM 9610 X		31VI 9223	^	
Nodularins				
Yeast and Mold SM 9610 x 1,2,3-Trichloropropane (TCP) at 5 PPT CA SRL 524M-TCP x 1,4-Dioxane EPA 522 x 2,3,7,8-TCDD Modified EPA 1613 B x Acrylamide *LCMS 2440) x Alkalinity SM 2320B x Alkalinity SM 2320B x Ammonia SM 4500-NH3 x Ammonia SM 4500-NH3 x Absestos EPA 350.1, x Asbestos EPA 100.2 x x Bicarbonate Alkalinity as HCO3 SM 2330 B x x HCO3 SM 5210 B x x BoD/CBOD SM 5210 B x x Carbonate as CO3 SM 2330 B x x Carbonate as CO3 SM 2330 B x x Chlorinated Acids EPA 410.4, SM 5220D x x Chlorine, Free, Combined, Total Residual, Chloramines SM 4500-CLO2 x Color SM 2300 B x x		EPA 546	Х	
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TCP	Yeast and Mold	SM 9610	X	
TCP				
CICP) at 5 PP1		CA SRL 524M-	v	
Acrylamide	(TCP) at 5 PPT	TCP	^	
Acrylamide			Х	
Acrylamide	1,1 Dioxano		^	
Acrylamide	2,3,7,8-TCDD		X	
Algal Toxins/Microcystin	_,=,=,=====	1613 B		
Alkalinity	Acrylamide	+LCMS 2440)	X	
Alkalinity	Algal Toxins/Microcystin	+ LCMS 3570	X	
Ammonia				V
Ammonia	Alkallility		^	^
H				
Asbestos	Ammonia	SM 4500-NH3		Х
Bicarbonate Alkalinity as		H		
Bicarbonate Alkalinity as	Ashestos	FPA 100 2	Y	Y
HCO3			^	^
BOD/CBOD	-	SIVI 2330 B	X	x
Bromate				
Carbonate as CO3 SM 2330 B x x Carbonyls EPA 556 x x Chemical Oxygen Demand EPA 410.4, SM 5220D x Chlorinated Acids EPA 515.4 x Palin Test Chlordio X Plus, SM 4500-CLO2 D x Chlorine, Free, Combined, Total Residual, Chloramines SM 4500-CL G x Conductivity EPA 120.1, SM 2510B x Conductivity EPA 120.1, SM 2510B x Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated SM 2330 B x Cyanide (Amenable) SM 4500-CN G x x Cyanide (Total) EPA 335.4 x x Cyanogen Chloride (Screen) (WC-24467) x x Diquat and Paraquat EPA 549.2 x x DBP and HAA SM 6251 B x Dissolved Organic Carbon Dissolved Oxygen SM 4500-O G x EDB/DCBP/TCP EPA 504.1 x EDB/DBP/TCP EPA 548.1, *(LCMS-24445) x EDTA and NTA *WC-2454 x <t< td=""><td>BOD/CBOD</td><td>SM 5210 B</td><td></td><td>X</td></t<>	BOD/CBOD	SM 5210 B		X
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Chlorinated Acids EPA 515.4 Palin Test Chlorine Dioxide Chlorine, Free, Combined, Total Residual, Chloramines Color SM 4500-CLO2 D Conductivity EPA 120.1, SM 2510B Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated Cyanide (Amenable) Cyanide (Free) SM 4500-CN G X X X X X X X X X X X X X	Chemical Oxygen Demand	SM 5220D		X
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Tluoride	Endothall		¥	
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Glyphosate EPA 547 x Glyphosate and AMPA +LCMS-3618 x	Fluoride	SM 4500F C	X	Х
Glyphosate and AMPA + LCMS-3618 x				
Gross Alpha and Gross Beta EPA 900.0 x x				
	Gross Alpha and Gross Beta	EPA 900.0	Х	X

s.com/Eaton		Potable	Waste
Test(s)	Method(s)	Water *	Water
Gross Alpha coprecipitation	SM 7110 C	x	x
Hardness	SM 2340 B	Х	Х
Hexavalent Chromium	EPA 218.6,	Х	X
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		Х
Metals	EPA 200.7, EPA200.8	Х	х
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	х	
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 Disinfection			
Byproducts	EPA 317.0	Х	
Perchlorate	EPA 331.0	х	
Perchlorate (Low and High Levels)	EPA 314.0	х	
Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	х	
PPCP and EDC	*LCMS-2443	х	
	EPA 150.1		
pН	SM 4500-H+ B	Х	Х
Phenolics – Low Level	*WC 2493 (EPA 420.2 and EPA 420.4 MOD)	×	х
Phenylurea Pesticides/Herbicides	+LCMS-2448	×	
Radium-226, Radium-228	GA Tech (Rad- 2374)	х	
Radon-222	SM 7500RN	х	
Residue (Filterable)	SM 2540C	X	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	х	х
Sulfide	SM 4500-S D		Х
Sulfite	SM 4500-SO3 B	х	X
Surfactants	SM 5540C	X	X
Taste and Odor	SM 6040 E	X	
Total Organic Carbon	SM 5310 C	X	Х
Total Phenols	EPA 420.1		Х
Total Phenols	EPA 420.4	х	Х
Triazine Pesticides and their Degradates	+LCMS-3617	х	
Turbidity	EPA 180.1	Х	Х
Uranium by ICP/MS	EPA 200.8	X	
UV 254 Organic			
Constituents	SM 5910B	X	
VOCs	EPA 524.2	Х	
VOCs	† (GCMS 2412) 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 #: 982686 Project: RED-HILL

Sample Group: Red-Hill Expanded List

(Albuquerque+)

Project Manager: Debbie L Frank Phone: (626) 386-1149

PO #: C20525101 exp 05312023

The following samples were received from you on **January 25**, **2022** at **1139**. 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
202201250220	HALAWA WELLS P2 (HI000033	1-024)		01/24/2022 0948
	(SLIP)Cae Fraction Hydrocarbons	TPH 8015 Diesel and Motor Oil	TPH 8015 Jet Fuel 5	::
	(SUB)Gas Fraction Hydrocarbons	TEH 6013 Diesei and Motor Oil	TEH 60 15 Jet Fuel 5	
	TPH 8015 Jef Fuel 8			
202201250221	TRAVEL BLANK			01/24/2022 0948
	(SUB)Gas Fraction Hydrocarbons			

Test Description

Reported: 02/17/2022

💸 eurofins

CHAIN OF CUSTODY RECORD

987786

Eaton Analytical EUROFINS EATON ANALYTIC

	EURUPINS EALON ANALY IICAL	AL USE ONLY:			
	LOGIN COMMENTS:	7		SAMPLES CHECK	SAMPLES CHECKED AGAINST COC BY:
750 Koyal Oaks Drive, Suite 100 Monrovia, CA 91016-3629		C 190		SAM	SAMPLES LOGGED IN BY:
	SAMPLE TEMP RECEIVED AT: Colton / No. California / Arizona	na	°C (Compliar	SAMPLES REC'D (Compliance: 4 ± 2 °C)	SAMPLES REC'D DAY OF COLLECTION? (check for yes)
Fax: 626 386 1101	Monrovia	3.8	°C (Compliance: 4 ± 2 °C	nce: 4 ± 2 °C)	\$
800 566 LABS (800 566 5227)	CONDITION OF BLUE ICE: Frozen	Frozen	Partially Frozen	n Thawed Wet Ice	No Ice
	METHOD OF SHIPMENT:	Pick-Up / Wa	ilk-in / FedEx / L	METHOD OF SHIPMENT: Pick-Up / Walk-In / PedEx / UPS / DHL / Area Fast / Top Line / Other:	/ Other:
TO BE COMPLETED BY SAMPLER:		*		(check for yes)	(check for yes)
COMPANY/AGENCY NAME:	PROJECT CODE:		СОМР	П	NON-COMPLIANCE SAMPLES X
BWS HONOLULU	RED HILL		- Requires sta Type of samples (circle one):	te forms ReciAL	REGULATION INVOLVED: L CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA)
EEA CLIENT CODE: COC ID:	SAMPLE GROUP:		SEE ATTACHI	SEE ATTACHED BOTTLE ORDER FOR ANAL YSES list ANALYSES REQUIRED (enter number of bottles sent	EE ATTACHED BOTTLE ORDER FOR ANAL YSES X (check for yes), <u>OR</u> list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)
TAT requested: rush by adv notice only	STD_ 1 wk X 3 day 2 day	y 1 day			
SAMPLE ID	CLIENT LAB ID	ATAG DATA	Red Hill		SAMPLER
01/24/22 OOAB Halawa Wells P2	HI0000331-024 CFW		×		
					TRK# 5491 4034 2771
					Temp Blank: °C
* MATDIY TYDES: DSW - Daw Curface Mater	CEIM - Chlodymylad Einig	Total Model	SEAW SO - MASS	The state of the s	
RGW = Raw Ground Water	Crw = Cnlor(am)inated Finished Water FW = Other Finished Water	sned water	SEAW = Sea Water WW = Waste Water	SW = Storm Water	SU = Soil O = Omer - Please Idenuity SL = Sludge
SIGNATURE		PRINT NAME		COMPANY/TITLE	
SAMPLED BY:		Lew Bailey		Honolulu Board of Water Supply	January 24, 2022
RELINQUISHED BY:		Lew Bailey		Honolulu Board of Water Supply	01241202 1400
RECEIVED BY:	Word Ma	remes	71	ask	1.25.22 1139
RECEIVED BY:	2	Ta .			

Created Date & Time 12/10/2021 7.11 00PM

Kit Order for Honolulu Board of Water Supply

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

Note: Sampler Please return this paper with your samples

Client ID: HONOLULU

Red-Hill Expanded List (Albuquerque+)

Group Name: PO#/30B#:

Project Code: RED-HILL Bottle Orders

Description: HALAWA WELLS UNITS 1 & 2 - Every

C20525101 exp 05312023

Eaton Analytical

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

Created By: - [AutoGenerated] STG: Bottle Orders Deliver By: 12/22/2021 Ice Type: G

Pre Registered

Honolulu Board of Water Sup 630 South Beretania Street Ship Sample Kits to Honolulu, HI 96843 Chemistry Lab

Attn Ron Fenstemacher Phone: 808-748-5841

Fax 808-550-5572

ater Supply Room 308 Street

UN DOT #

Total 4

Bottle Qty - Type [preservative information]

4-1L amber glass [11 ml Thio 8%]

@625A_Physis C, @625BN_Physis C,

Sample Tests

	Send Report to	<u>m</u>	Billing Address
hodi	Honolulu Board of Water Supply	I	Honolulu Board of Wa
	630 South Beretania Street	9	630 South Beretania S
	Public Service Bldg " Roam 308	<u>а</u>	Public Service Bldg " F
	Honalulu, HI 96843	I	Honolulu, HI 96843
	Attn Erwin Kawata	4	Attn Erwn Kawata
	Phone 808-748-5091	<u>a</u>	Phone 808-748-5091
	Fax 808-550-5018	ш.	Fax 808-550-5018

	@625PAH_Physis_TICS_C				
- !	TPH 3015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C	4. & 1L amber glass [1 ml Thio 8%]	9		
-	8015 Gas_C	3 40ml amber glass vial [1 drop Thio (8%)]	3		
-	8015 Gas_C TB	2 - 40ml amber glass vial [1 drop Thio (8%) + H20]	2		
1	@VOASDWA C-plus plus TICs TBC-	3 - 40ml-ember glass visit [25mg /A4+1120+10 drop 1-1 HGt-]-	3	UN1789	
+	@VOASDWA C plus plus TICs C	3 - 40ml amber glass vial [25mg Ascorbic+drop 2ml 1 1 HCL']	3	UN1789	
+	-@8015 Ethanal Subbed	3 - 40mi amber glass vial [no preservative]	3		
Sum	Sum Tests: 7	Sum Bottles: 24	5: 24		
(

Comments

SITE ID HALAWA WELLS (331-206-TP065)

SAMPLER

FOUR 1 LITER AMBER GLASS BOTTLES FOR 625 SERIES AND SIX 1 LITER AMBER GLASS BOTTLES FOR TPH 8015 SERIES

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

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

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

Prepared Bv E800

of Coalers

Tracking # 549140316384

Via FEDEX

Date Shipped 12/22/2021

Status

Code

Page 6 of 43 pages



Laboratory Comments Report: 982686

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

Project: RED-HILL Group: Red-Hill Expanded List

(Albuquerque+)

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

Folder Comments

Results for TPH Gas, Diesel, Motor Oil and Jet Fuels are submitted by Emax Laboratories



Laboratory Hits

Report: 982686 Project: RED-HILL

Group: Red-Hill Expanded List

(Albuquerque+)

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: 01/25/2022 1139

Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL





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

1 800 566 LABS (1 800 566 5227)

Report: 982686 Project: RED-HILL

Group: Red-Hill Expanded List

(Albuquerque+)

Honolulu Board of Water Supply

Erwin Kawata 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 96843 Samples Received on: 01/25/2022 1139

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
HALAW	/A WELLS P2	(HI000033	1-024) (2022012	50220)		Sam	pled on 01/24	/2022 094	8
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	rbons				
01/26/22	01/26/22 19:57			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
		SW 8015B	- TPH 8015 Dies	sel and Motor	Oil				
01/27/22	01/28/22 16:58			(SW 8015B)	TPH Diesel	ND	mg/L	0.027	1
01/27/22	01/28/22 16:58			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.053	1
		EPA 8015 -	Jet Fuel 5 C8-C	18					
01/27/22	01/28/22 16:58			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.053	1
		EPA 8015 -	Jet Fuel 8 C8-C	18					
	01/28/22 16:58			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.053	1
TRAVE	L BLANK (202	2201250221	Ŋ			Sam	pled on 01/24	/2022 094	8
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	rbons				
01/26/22	01/26/22 20:34			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1



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

Date: 02-10-2022

EMAX Batch No.: 22A250

Attn: Jackie Contreras

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

Subject: Laboratory Report

Project: 982686

Enclosed is the Laboratory report for samples received on 01/26/22. The data reported relate only to samples listed below:

Sample ID	Control # Col Date	Matrix	Analysis
202201250220	A250-01 01/24/22	WATER	TPH GASOLINE
202201250221	A250-02 01/24/22	WATER	TPH GASOLINE
202201250220MS	A250-01M 01/24/22	WATER	TPH JP-5
202201250220MSD	A250-01S 01/24/22	WATER	TPH JP-5

The results are summarized on the following pages.

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

Sincerety

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

*REPORTING REQUIRMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbersl Report & Invoice must have the Folder# 982686 Job # 1000014

Eaton Analytical

्रैं eurofins

EMAX Laboratories, Inc.

Ship To:

3051 Fujita St.

Torrance, CA 90505

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.

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 EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com nvoices to: Eurofins Eaton Analytical, LLC Phone (626) 386-1165 Fax (626) 386-1122

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

Samples from: HAWAII

3 day rush

Fax: 310-618-0818

Phone: 310-618-8889

Folder #:

SI I **PWSID** Static ID: Clip Code Sample Date & Time Matrix 01/24/22 0948 DW Sample Point ID: Facility ID: Client Sample ID for reference onl HALAWA WELLS P2 (HI0000331-024) Sample Event: Report Due: 02/01/2022 202201250220 Sample type: Sample ID 982686

Method	Prep Method	Analysis Requested
SW 8015B	EPA 5030C	(SUB)Gas Fraction Hydrocarbons
SW 8015B	EPA 3550B	TPH 8015 Diesel and Motor Oil
EPA 8015	EPA 8015	Jet Fuel 5 C8-C18
EPA 8015		Jet Fuel 8 C8-C18

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Sample Date & Time Matrix 01/24/22 0948 DW	
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Sample ID 202201250221	ample type:
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(SUB)Gas Fraction Hydrocarbons Analysis Requested Prep Method **EPA** 5030C SW 8015B Method

An Acknowledgement of Receipt is requested to attn. Jackie Contreras NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS 136/12 Time 12:13

cmp: 1.10

Time Time

Date Date Date

Sample Control

Relinquished by:

Received by:

Sample Control

Page 2 of 2

REPORT ID: 22A250750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

Page 2 of 34

Received by:

Relinquished by:

Reference: Addendum SM02.11.1

Form: SM02F1

Type of De	livery		Airbill / Tracki	ng Number	ECN 22 A 250		
	☐ Others				Recipient Alan Ram	os .	
□ EMAX Courier  Client Deliv	very				Date 01/20/22	Time /2:/3	
	4						
COC INSPECTION	Client PM/FC		☐ Sampler Name	Sampling Date/Time	Sample ID	Matrix	
Client Name Address	11		•	Z Analysis Required	, .	'/	
	Tel # / Fax #		☐ Courier Signature	, .	^{'□} Preservative (if any)	⊅ TAT	
Safety Issues (if any)	☐ High concentrations exp	ected	☐ From Superfund Site	☐ Rad screening required			
Note:							
PACKAGING INSPECTIO	ON .						
Container	Cooler		□ Box	☐ Other			
Condition	/ □ Custody Seal		☐ Intact	☐ Damaged			
Packaging	Bubble Pack		☐ Styrofoam	□ Popcom ·	☐ Sufficient		
	Cooler 1 1.1 °C	□ C ₀	oler 2 °C	□ Cooler 3 °C	□ Cooler 4 °C	□ Cooler 5°C	
Temperatures (Cool, ≤6 °C but not frozen)		ш Coc	oler 7°C	☐ Cooler 8 °C	☐ Cooler 9 °C	***************************************	
Thermometer:	□ Cooler 6°C  A - S/N 210191066  A - S/N 210191066	☐ C00	(R) S/N 2102713910	C-S/N 21027 13 99		□ Cooler 10°C	
	A-S//VZIMILION & N	144	DAYATEL V	()-3/14 21027 15 1	D - \$/N		
Comments: Temperature is out	t of range. PM was informe	a liviivi	EDIATELY.				
Note:							
DISCREPANCIES							
LabSampleID	LabSampleContainerID	Code	ClientSample La	bel ID / Information	Corrective.	Action	
1,2	1-9	DIO	`		RX		
. 1	4-7	DZ	Jet Fuel & is	not indicated	1.12		
	1-7	y o	on label	The indical en			
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				- CA86/49		10 1/2/03	
☐ pH holding time requirement	for water samples is 15 mi	ns. Wa	ater samples for pH analys	sis are received beyond 15 m	ninutes from sampling time.	1115 111100	
NOTES/OBSERVATIONS:						, ,	
NOTES/OBSERVATIONS.							
			<u> </u>	<del>(</del>			
				· · · · · · · · · · · · · · · · · · ·			
LEGEND:					☐ Continue to next pag	ge.	
Code Description-Sample Mana	gement	Code	Description-Sample Mana	gement	Code Description-Sample Mana	gement	
D1 Analysis is not indicated in		D13	Out of Holding Time		R1 Proceed as indicated in CO	C □ Label	
(D2) Analysis mismatch COC vs	label	D14	Bubble is >6mm		R2 Refer to attached instruction		
D3 Sample ID mismatch COC v		D15	No trip blank in cooler		R3 Cancel the analysis		
D4 Sample ID is not indicated i			Preservation not indicated in	n	R4 Use vial with smallest bubble f	ĭrst	
D5 Container -[improper] [leaki			Preservation mismatch COC		R5 Log-in with latest sampling dat		
D6 Date/Time is not indicated in	<b>5</b> . c		Insufficient chemical preser		R6 Adjust pH as necessary		
D7 Date/Time mismatch COC v			Insufficient Sample	* <del>*</del>	R7 Filter and preserved as necessary	not - A	
			Mo filtration info for dissolv	red analysis	R8 The R8 R8	The I	
<ul><li>D8 Sample listed in COC is not</li><li>D9 Sample received is not listed</li></ul>			No mitration into for dissorv		RO TROPINA		
· ·	(/ )		ivo sampie for moisture deferm	madUff			
D10) No initial/date on correction	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	D22_			R10		
D11 Container count mismatch C		D23			R11		
D12 Container size mismatch CC	TUCIMNE /	D24_		<del></del>	R12	1.//	
		)	A	110, 1.	, <u>-</u>	1111/	
Sample Labeling	10113-1CM1103 1 CM	1	SRF	Myrilla	PM	1/2/	
Date	01/26/22 / 1/2/2	V	Date	120/00	Date	TUIV	

### REPORTING CONVENTIONS

### **DATA QUALIFIERS:**

Lab Qualifier	AFCEE Qualifier	Description
J	F	Indicates that the analyte is positively identified and the result is less than LOQ/RL but greater than LOD/MDL/DL.
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
MDL	Method Detection Limit
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
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**

982686

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

SDG#: 22A250

Client: EUROFINS EATON ANALYTICAL

Project: 982686

SDG : 22A250

METHOD 5030B/8015B

TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

A total of two(2) water samples were received on 01/26/22 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. VG39A16B - 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. VG39A16L/VG39A16C were within LCS limits. Refer to LCS summary form for details.

### Matrix QC Sample

No matrix QC sample was provided on this SDG. Gasoline was within MS QC limits in A249-01M/A249-01S. 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

Client : EUROFINS	Client : EUROFINS EATON ANALYTICAL							SDG NO. : 22A250	
								Instrument ID : GCT039	
				:=====================================	======================================				11 11 11 11 11 11 11
Client	Laboratory Dilution	Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	Sample ID	Factor	Moist	DateTime	DateTime	Data FN	Data FN	Betch Notes	
 	1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	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
MBLK1₹	VG39A16B	-	AN	01/26/2215:41	01/26/2215:41	EA26006A	EA26004A	22VG39A16 Method Blank	
LCS1W	VG39A16L	-	NA	01/26/2216:18	01/26/2216:18	EA26007A	EA26004A	22VG39A16 Lab Control Sample (LCS)	(SOT) aldwi
LCD1W	VG39A16C	_	NA	01/26/2216:54	01/26/2216:54	EA26008A	EA26004A	22VG39A16 LCS Duplicate	
202201250220	A250~01	_	N	01/26/2219:57	01/26/2219:57	EA26013A	EA26004A	22VG39A16 Field Sample	
202201250221	A250-02	-	AN	01/26/2220:34	01/26/2220:34	EA26014A	EA26004A	22VG39A16 Field Sample	

FN - Filename % Moist - Percent Moisture

### **SAMPLE RESULTS**

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

_____

: EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 09:48

: 982686 Date Received: 01/26/22 Project Date Extracted: 01/26/22 19:57

Project : 982686 Batch No. : 22A250 Sample ID : 202201250220 Date Analyzed: 01/26/22 19:57 Lab Samp ID: A250-01 Dilution Factor: 1

Lab File ID: EA26013A Matrix: WATER % Moisture: NA Ext Btch ID: 22VG39A16 Calib. Ref.: EA26004A Instrument ID: 39

______

RESULTS RI. MD L PARAMETERS (mg/L) (mg/L) (mg/L) .................. 0.020 0.010 GASOLINE

SURROGATE PARAMETERS RESULT SPK_AMT %RECOVERY QC LIMIT 0.0400 60-140 Bromofluorobenzene 0.0342 

Notes:

H-C Range Parameter 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

Analyzed by : SCerva Prepared by : SCerva

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

______

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 09:48

 Project
 : 982686
 Date Received: 01/26/22

 Batch No.
 : 22A250
 Date Extracted: 01/26/22
 20:34

 Sample ID
 : 202201250221
 Date Analyzed: 01/26/22
 20:34

Lab Samp ID: A250-02 Dilution Factor: 1
Lab File ID: EA26014A Matrix: WATER

Ext Btch ID: 22VG39A16 % Moisture: NA Calib. Ref.: EA26004A Instrument ID: 39

 RESULTS
 RL
 MDL

 PARAMETERS
 (mg/L)
 (mg/L)

 GASOLINE
 ND
 0.020
 0.010

SURROGATE PARAMETERS RESULT SPK_AMT %RECOVERY QC LIMIT

Bromofluorobenzene 0.0331 0.0400 83 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 : 5ml Final Volume : 5ml

Prepared by : SCerva Analyzed by : SCerva

### **QC SUMMARIES**

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

________

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/26/22 15:41 Project : 982686 Batch No. : 22A250 Sample ID : MBLK1W Date Received: 01/26/22 Date Extracted: 01/26/22 15:41

Date Analyzed: 01/26/22 15:41

Lab Samp ID: VG39A16B Dilution Factor: 1 Lab File ID: EA26006A Matrix: WATER Ext Btch ID: 22VG39A16 % Moisture: NA Calib. Ref.: EA26004A Instrument ID: 39

RESULTS PARAMETERS (mg/L)(mg/L) (mg/L)GASOLINE 0.020 0.010

SURROGATE PARAMETERS RESULT SPK AMT %RECOVERY Bromofluorobenzene 0.0347 0.0400

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

: SCerva Analyzed by : SCerva Prepared by

### EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 982686 : 22A250

METHOD

: 5030B/8015B

MATRIX DILUTION FACTOR: 1

1

% MOISTURE:NA

SAMPLE ID

: MBLK1W

LCS1W

LCD1W

LAB FILE ID DATE PREPARED : 01/26/22 15:41

LAB SAMPLE ID : VG39A16B : EA26006A VG39A16L EA26007A

EA26004A

VG39A16C EA26008A

EA26004A

DATE ANALYZED : 01/26/22 15:41 PREP BATCH CALIBRATION REF: EA26004A

: 22VG39A16

01/26/22 16:18 01/26/22 16:18 22VG39A16

01/26/22 16:54 01/26/22 16:54 22VG39A16

ACCESSION:

RPD QCLimit MaxRPD MBResult SpikeAmt LCSResult LCSRec SpikeAmt LCDResult LCDRec (%) (%) (%) (%) (mg/L) (mg/L) (%) **PARAMETERS** (mg/L) (mg/L) (mg/L) 30 92 93 60-130 0.500 0.461 0.500 0.467 ND Gasoline

SpikeAmt LCSResult LCSRec SpikeAmt LCDResult LCDRec QCLimit (%) (%) (%) SURROGATE PARAMETER (mg/L)(mg/L) (mg/L) (mg/L)

_____ 70-130 0.0431 108 0.0400 0.0438 110 0.0400 Bromofluorobenzene

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.

: 982678 : 22A249

METHOD

: 5030B/8015B

: WATER MATRIX

% MOISTURE:NA

DILUTION FACTOR: 1

202201250198MS

202201250198MSD

SAMPLE ID : 202201250198 LAB SAMPLE ID : A249-01

A249-01M

A249-01S

LAB FILE ID : EA26009A

EA26010A

EA26011A

DATE ANALYZED : 01/26/22 17:31

Bromofluorobenzene

DATE PREPARED : 01/26/22 17:31

01/26/22 18:08 01/26/22 18:08

01/26/22 18:44 01/26/22 18:44

PREP BATCH : 22VG39A16

CALIBRATION REF: EA26004A

22VG39A16 EA26004A

22VG39A16 EA26004A

0.0509

127

60-140

ACCESSION:

PARAMETERS	PSResult	SpikeAmt	MSResult	MSRec	SpikeAmt	MSDResult	MSDRec	RPD	QCLimit	MaxRPD
	(mg/L)	(mg/L)	(mg/L)	(%)	(mg/L)	(mg/L)	(%)	(%)	(%)	(%)
Gasoline	ND	0.500	0.458	92	0.500	0.511	102	11	50-130	30

_______

SpikeAmt MSResult MSRec SpikeAmt MSDResult MSDRec QCLimit SURROGATE PARAMETER (mg/L) (mg/L) (%) (mg/L)

0.0429

107

0.0400

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

0.0400

### LABORATORY REPORT FOR

### **EUROFINS EATON ANALYTICAL**

982686

### METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22A250

Client: EUROFINS EATON ANALYTICAL

Project: 982686

SDG : 22A250

### METHOD 3520C/8015B

TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One (1) water sample was received on 01/26/22 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. DSA019WB - 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. DSA019WL/DSA019WC were within LCS limits. Refer to LCS summary form for details.

### Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22A249-01M/22A249-01S. 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.

Client: EUROFINS EATON ANALYTICAL

Project: 982686

SDG : 22A250

### METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 01/26/22 to be analyzed for 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. DSA019WB - 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. J5A019WL/J5A019WC 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. JP5 was within MS QC limits in 22A250-01M/22A250-01S. 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.

Client: EUROFINS EATON ANALYTICAL

Project: 982686

SDG : 22A250

### METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

One (1) water sample was received on 01/26/22 to be analyzed for 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. DSA019WB - 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. J8A019WL/J8A019WC were within LCS limits. Refer to LCS summary form for details.

### Matrix QC Sample

No matrix QC sample was provided on this SDG.

### 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.

## LAB CHRONICLE TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

r i ent	Client : FURDEINS FATON ANALYTICAL	CAL							SDG NO.	: 22A250
	: 982686								Instrume	Instrument ID : D5
		11 11 11 11 11				11 11 11 11 11 11 11 11 11	                      	14 11 11 11 11 11 11 11 11 11		
					WATER	ER				
Client	Labor	atory [	aboratory Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	Sampl	Sample ID	Factor	Moist	Datelime	DateTime	Data FN	Data FN	Batch	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 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
MR! K1W	DSA019WB	19WB	_	NA	01/28/2213:54	01/27/2213:00	LA28010A	LA28004A	22DSA019W	22DSA019W Method Blank
LCS1W		19WL	-	N	01/28/2214:12	01/27/2213:00	LA28011A	LA28004A	22DSA019W	22DSA019W Lab Control Sample (LCS)
LCD 1W		19WC	-	N	01/28/2214:30	01/27/2213:00	LA28012A	LA28004A	22DSA019W	22DSA019W LCS Duplicate
202201250220		-01	-	NA	01/28/2216:58	01/27/2213:00	LA28020A	LA28004A	22DSA019W	22DSA019W Field Sample

FN - Filename % Moist - Percent Moisture

LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

Client	Client : EUROFINS EATON ANALYTICAL	!							SDG NO. : 22A250
בייטיים בייטי	. 082684								Instrument ID : D5
רוסומו	. 705000								
					WATER	ER			
Client		Laboratory	Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.
Sample ID		Sample ID	Factor	Moist	DateTime	DateTime	Data FN	Data FN	Batch 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 1 1 1 1 1	1 1 1 1 1 1 1 1 1	1 1	
MBI K1W		DSA019WB	_	NA	01/28/2213:54	01/27/2213:00	LA28010A	LA28005A	22DSA019W Method Blank
LCS1W		J5A019WL	,	NA	01/28/2214:49	01/27/2213:00	LA28013A	LA28005A	22DSA019W Lab Control Sample (LCS)
1.CD 1.W		J5A019WC	-	NA	01/28/2215:07	01/27/2213:00	LA28014A	LA28005A	22DSA019W LCS Duplicate
2022012502	50	A250-01	-	NA	01/28/2216:58	01/27/2213:00	LA28020A	LA28005A	22DSA019W Field Sample
202201250220MS	20MS	A250-01M	-	NA	01/28/2217:16	01/27/2213:00	LA28021A	LA28005A	22DSA019W Matrix Spike Sample (MS)
202201250220MSE	20MSD	A250-01S	-	AN	01/28/2217:34	01/27/2213:00	LA28022A	LA28005A	22DSA019W MS Duplicate (MSD)

FN - Filename % Moist - Percent Moisture

### LAB CHRONICLE PETROLEUM HYDROCARBONS BY EXTRACTION

		!!								
Client	: EUROFINS EATON ANALYTICAL	ANALYTICAL							SDG NO. : ZZAZSU	
Project	: 982686								05	
				             						11 11 11 11
					WATER	ĒR				
Client		Laboratory Dilution	Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	ו Prep.	
Sample ID		Sample ID	Factor	Moist	DateTime	Datelime	Data FN	Data FN	Batch 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 K10		DSA019WB	_	AN	01/28/2213:54	01/27/2213:00	LA28010A	LA28006A	22DSA019W Method Blank	
I CS1W		J8A019WL	<b>-</b>	NA	01/28/2215:25	01/27/2213:00	LA28015A	LA28006A	22DSA019W Lab Control Sample (LCS)	(S)
LCD1W		J8A019WC	_	N A	01/28/2215:44	01/27/2213:00	LA28016A	LA28006A	22DSA019W LCS Duplicate	
202201250220	220	A250-01	-	NA	01/28/2216:58	01/27/2213:00	LA28020A	LA28006A	22DSA019W Field Sample	

FN - Filename % Moist - Percent Moisture

### **SAMPLE RESULTS**

### METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 09:48

Project : 982686 Date Received: 01/26/22
Batch No. : 22A250 Date Extracted: 01/27/22 13:00
Sample ID : 202201250220 Date Analyzed: 01/28/22 16:58

Lab Samp ID: 22A250-01 Dilution Factor: 1
Lab File ID: LA28020A Matrix: WATER

Ext Btch ID: 22DSA019W % Moisture: NA Calib. Ref.: LA28004A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel Motor Oil	ND ND	0.027 0.053	0.013 0.027	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMI

RESULT	SPK_AMI	%RECUVERY	QC LIMIT	
0.434	0.530	82	60-130	
0.126	0.132	95	60-130	
	0.434	0.434 0.530	0.434 0.530 82	0.434 0.530 82 60-130

______

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 940ml Final Volume : 5ml

Prepared by : POreto Analyzed by : SDeeso

### METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

______

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 09:48
Project : 982686 Date Received: 01/26/22
Batch No. : 22A250 Date Extracted: 01/27/22 13:00
Sample ID : 202201250220 Date Analyzed: 01/28/22 16:58

Dilution Factor: 1 Lab Samp ID: 22A250-01 Lab File ID: LA28020A Matrix: WATER Ext Btch ID: 22DSA019W % Moisture: NA Instrument ID: D5 Calib. Ref.: LA28005A

______

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.053	0.027	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene Hexacosane	0.434 0.126	0.530 0.132	82 95	60-130 60-130

Notes:

: Reporting Limit RL H-C Range Parameter C8-C18 JP5

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Final Volume : 5ml Sample Amount : 940ml

Analyzed by : SDeeso Prepared by : POreto

### METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

_____

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 09:48 Date Received: 01/26/22

Project : 982686 Batch No. : 22A250 Sample ID : 202201250220 Date Extracted: 01/27/22 13:00 Date Analyzed: 01/28/22 16:58

Dilution Factor: 1 Lab Samp ID: 22A250-01 Lab File ID: LA28020A Matrix: WATER Ext Btch ID: 22DSA019W % Moisture: NA Calib. Ref.: LA28006A Instrument ID: D5

_____

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.053	0.027	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.434	0.530 0.132	82 95	60-130 60-130

_____

Notes:

RL : Reporting Limit Parameter H-C Range C8-C18 JP8

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Final Volume : 5ml Sample Amount : 940ml : POreto Analyzed by : SDeeso Prepared by

### **QC SUMMARIES**

### METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

: EUROFINS EATON ANALYTICAL Date Collected: 01/27/22 13:00

Project : 982686
Batch No. : 22A250
Sample ID : MBLK1W Date Received: 01/27/22 Date Extracted: 01/27/22 13:00 Date Analyzed: 01/28/22 13:54

Lab Samp ID: DSA019WB Dilution Factor: 1 Lab File ID: LA28010A Matrix: WATER Ext Btch ID: 22DSA019W % Moisture: NA Calib. Ref.: LA28004A Instrument ID: D5

_____

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.025	0.012	
Motor Oil	ND	0.050	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.397	0.500	79	60-130
Hexacosane	0.105	0.125	84	60-130

______

Notes:

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

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 BATCH NO. : 982686

METHOD

: 22A250 : 3520C/8015B

_______

: WATER MATRIX DILUTION FACTOR: 1

1

% MOISTURE:NA

SAMPLE ID : MBLK1W

LCS1W

LCD1W

LAB SAMPLE ID : DSA019WB LAB FILE ID : LA28010A

DSA019WL LA28011A DSA019WC LA28012A

DATE PREPARED : 01/27/22 13:00 DATE ANALYZED : 01/28/22 13:54

01/27/22 13:00 01/28/22 14:12 01/27/22 13:00 01/28/22 14:30

PREP BATCH : 22DSA019W CALIBRATION REF: LA28004A

22DSA019W LA28004A

22DSA019W LA28004A

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	2.23	89	2.50	2.00	80	11	50-130	30
= 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	=========	========	=========		========	=========	======	are bout your year took took took took	=========	
SURROGATE PARAMETERS		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.500 0.125	0.478 0.116	96 93	0.500 0.125	0.381 0.109	76 87		60-130 60-130	

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

### METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

Date Collected: 01/27/22 13:00 : EUROFINS EATON ANALYTICAL Date Received: 01/27/22

Project : 982686 Batch No. : 22A250 Sample ID : MBLK1W Date Extracted: 01/27/22 13:00 Date Analyzed: 01/28/22 13:54

Lab Samp ID: DSA019WB Dilution Factor: 1 Matrix: WATER Lab File ID: LA28010A % Moisture: NA Ext Btch ID: 22DSA019W Instrument ID: D5 Calib. Ref.: LA28005A

______

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.050	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.397	0.500	79	60-130

0.397 Bromobenzene 0.125 60-130 0.105 Hexacosane 

Notes:

RL : Reporting Limit H-C Range Parameter C8-C18

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Final Volume : 5ml Sample Amount : 1000ml Prepared by : POreto Analyzed by : SDeeso

### EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 982686

METHOD

: 22A250 : 3520C/8015B

MATRIX	: WATER	
DILUTION FACTOR	<b>?:</b> 1	1
SAMPLE ID	: MBLK1W	LCS1W
LAB SAMPLE ID	: DSA019WB	J5A019WL
LAB FILE ID	: LA28010A	LA28013A
DATE PREPARED	: 01/27/22 13:00	01/27/22 13:00
DATE ANALYZED	: 01/28/22 13:54	01/28/22 14:49

J5A019WC LA28014A 01/27/22 13:00

% MOISTURE:NA

LCD1W

01/28/22 15:07 01/28/22 14:49 22DSA019W 22DSA019W LA28005A LA28005A

ACCESSION:

PREP BATCH : 22DSA019W CALIBRATION REF: LA28005A

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.50	2.49	100	2.50	2.82	113	12	30-160	30
=======================================	========	========	========		========				========	
SURROGATE PARAMETERS		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.500 0.125	0.446 0.103	89 82	0.500 0.125	0.482 0.115	96 92		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

: 982686

BATCH NO. : 22A250 METHOD : 352OC/8015B

LA28005A

MATRIX	:	WATER	
DILUTION FACTO			1
SAMPLE ID	:	202201250220	202201250220MS
LAB SAMPLE ID	:	22A250-01	22A250~01M
LAB FILE ID	:	LA28020A	LA28021A
DATE PREPARED	:	01/27/22 13:00	01/27/22 13:00
DATE ANALYZED	:	01/28/22 16:58	01/28/22 17:16
DDED DATCH		22hc4010U	UO10420CC

% MOISTURE:NA 202201250220MSD 22A250-01S LA28022A 01/27/22 13:00 01/28/22 17:34

22DSA019W LA28005A

### ACCESSION:

CALIBRATION REF: LA28005A

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.53	2.92	116	2.53	2.76	109	6	30-160	30
=======================================	=======================================			======	========	=========		======		
SURROGATE PARAMETERS		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.505 0.126	0.466 0.109	92 86	0.505 0.126	0.441 0.110	87 87		60-130 60-130	
	========		==========	======	========		=======	=======	=	=======

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

### METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

: EUROFINS EATON ANALYTICAL Date Collected: 01/27/22 13:00

Client

Project : 982686 Date Received: 01/27/22

Batch No. : 22A250

Date Extracted: 01/27/22 13:00

Sample ID : MBLK1W Lab Samp ID: DSA019WB Date Analyzed: 01/28/22 13:54

Lab File ID: LA28010A

Dilution Factor: 1 Matrix: WATER

Ext Btch ID: 22DSA019W

% Moisture: NA

Calib. Ref.: LA28006A Instrument ID: D5

	RESULTS	RL	MDL
PARAMETERS	(mg/L)	(mg/L)	(mg/L)
JP8	ND	0.050	0.025

JPO	NU	0.030	0.025		
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT	
Bromobenzene Hexacosane	0.397 0.105	0.500 0.125	79 84	60-130 60-130	

Notes:

: Reporting Limit RL

Parameter

H-C Range

JP8

C8-C18

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 BATCH NO.

: 982686 : 22A250

METHOD

: 3520C/8015B

MATRIX : WATER DILUTION FACTOR: 1

1

% MOISTURE:NA

SAMPLE ID : MBLK1W LAB SAMPLE ID : DSA019WB

LCS1W J8A019WL LCD1W J8A019WC

LAB FILE ID : LA28010A

LA28015A

LA28016A

DATE PREPARED : 01/27/22 13:00 DATE ANALYZED : 01/28/22 13:54

01/27/22 13:00

01/27/22 13:00 01/28/22 15:44

PREP BATCH : 22DSA019W CALIBRATION REF: LA28006A

01/28/22 15:25 22DSA019W LA28006A

22DSA019W LA28006A

ACCESSION:

MBResult SpikeAmt LCSResult LCSRec SpikeAmt LCDResult LCDRec RPD QCLimit MaxRPD PARAMETERS (mg/L) (mg/L) (mg/L) (%) (mg/L) (mg/L) (%) (%) (%) (%) ------_____ . . . . . . . . -----____ ND 2.50 2.73 109 2.50 2.62 105 30-160 30 JP8

SURROGATE PARAMETERS	SpikeAmt	LCSResult	LCSRec	SpikeAmt	LCDResult	LCDRec	QCLimit
	(mg/L)	(mg/L)	(%)	(mg/L)	(mg/L)	(%)	(%)
Bromobenzene	0.500	0.537	107	0.500	0.529	106	60-130
Hexacosane	0.125	0.120	96	0.125	0.116	<b>93</b>	60-130
HEXACOSAITE	0.125	0.120	,0	0.123	0.110	,,	00 150

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 BATCH NO.

: 982678 : 22A249

METHOD

: 3520C/8015B

DILUTION FACTOR: 1

SAMPLE ID LAB SAMPLE ID : 22A249-01

: 202201250198

202201250198MS 22A249~01M LA28018A

202201250198MSD 22A249-01S LA28019A

% MOISTURE:NA

LAB FILE ID : LA28017A DATE PREPARED : 01/27/22 13:00 DATE ANALYZED : 01/28/22 16:02

PREP BATCH : 22DSA019W

CALIBRATION REF: LA28004A

01/27/22 13:00 01/28/22 16:21 22DSA019W

LA28004A

01/27/22 13:00 01/28/22 16:39 22DSA019W LA28004A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.62	2.17	83	2.65	2.50	94	14	50-130	30
=======================================	=========	:========	========	======		=======	=======		=======	:======
SURROGATE PARAMETERS		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.525	0.438 0.118	83 90	0.530 0.132	0.537 0.132	101 100		60-130 60-130	

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