

ACCREDITED

CERTIFICATE #'s 5890.01 & 5890.02

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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
03/15/2022

Lebel Cank
EUROPINS KATON
ANALYTICAL, LLC

DEB: Debbie L Frank

Project Manager



Report: 987972 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
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

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)	Б .	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 Bicarbonate Alkalinity as HCO3 SM 2330 B x x Bromate *LCMS-2447 x x Carbonate as CO3 SM 2330 B x x Carbonate as CO3 SM 2330 B x x Chlorine Dioxide EPA 410.4, SM 5220D x x Chlorine Free, Combined, Total Residual, Chloramines SM 4500-CLO2 x Chlorine, Free, Combined, Total Residual, Chloramines		EPA 546	Χ	
1,2,3-Trichloropropane		011.0010		
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		¥	
Glyphosate EPA 547 x Glyphosate and AMPA +LCMS-3618 x	Endotriali	+(LCMS-2445)	^	
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

Com/Eaton Test(s)	Method(s)	Potable	Waste
rest(s)	wiethod(s)	Water *	Water
Gross Alpha coprecipitation	SM 7110 C	X	x
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	EPA 200.7, EPA200.8 EEA-Agilent 521.1	Х	Х
Nitrosamines	(GCMS-24250)	Х	
Nitrate/Nitrite Nitrogen	EPA 353.2	Х	Х
Odor	SM2150B	Х	
Organohalide Pesticides and PCB	EPA 505	x	
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	
рН	EPA 150.1 SM 4500-H+ B	Х	х
5	*WC 2493 (EPA		
Phenolics – Low Level	420.2 and EPA 420.4 MOD)	x	х
Phenylurea Pesticides/Herbicides	+LCMS-2448	x	
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	Х	х
Sulfide	SM 4500-S D		Х
Sulfite	SM 4500-SO3 B	Х	Х
Surfactants Tasta and Oder	SM 5540C	X	Х
Taste and Odor Total Organic Carbon	SM 6040 E SM 5310 C	X	v
Total Organic Carbon Total Phenols	EPA 420.1	Х	X X
Total Phenols	EPA 420.1	Х	X
Triazine Pesticides and			^
their Degradates	+LCMS-3617	Х	
Turbidity	EPA 180.1	Х	Х
Uranium by ICP/MS	EPA 200.8	Х	
UV 254 Organic Constituents	SM 5910B	х	
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 #: 987972 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 **February 16, 2022** at **1807**. 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	
202202161174	HALAWA SHAFT-331-241-TP40	1		02/14/2022 0915	
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Jef Fuel 8	TPH 8015 Diesel and Motor Oil	TPH 8015 Jet Fuel 5		
202202161175	TRAVEL BLANK::HALAWA SHA	FT-331-241-TP401		02/14/2022 0915	
	(SUB)Gas Fraction Hydrocarbons				

Test Description

Reported: 03/15/2022



Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

1	-			LOGIN COMMENTS:					SAMPLES	SAMPLES CHECKED AGAINST COC BY;	NST COC BY:)
Monra	coyal Ca	750 Koyai Oaks Drive, Suite 100 Monrovia, CA 91016-3629	001. e						ı	SAMPLES LOGGED IN BY	GGED IN BY	
č	000	0077	S	SAMPLE TEMP RECEIVED AT:	D AT:				SAMPLE	S REC'D DAY OF (SAMPLES REC'D DAY OF COLLECTION? (check for yes)	(check for yes)
Fax: (Frone: 626 366 1101 Fax: 626 386 1101	Fax: 626 386 1101		Colton / No. California / Arizona	/ Arizon	(12)	2	°C (Compliance: 4±2°C)	4±2°C)			
2008	00 / 1 99	800 566 I ABS (800 566 5227)	_	U Monrovia		' 1	-	°C (Compliance: 4±2°C)	4±2°C)			
000	90 LAB	S (900 000) S	(12	CONDITION OF BLUE IC	: ICE: F	E: Frozen_	>	Partially Frozen	Thawed	Wet Ice	No Ice	
				METHOD OF SHIPN	ENT: F	ick-Up	/ Walk-	In / FedEx / UPS	МЕТНОВ OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other.	Top Line / Other:		
TO BE CC	MPLETED	TO BE COMPLETED BY SAMPLER:							(check for yes)	yes)	(che	(check for yes)
COMPA	IY/AGEN	COMPANY/AGENCY NAME:		PROJECT CODE:			-	COMPLIA	COMPLIANCE SAMPLES	NON-COMPL	NON-COMPLIANCE SAMPLES	×
		BWS HONOLULU	רחרח	Red Hill	₽			- Requires state	forms Politine	REGULATION	REGULATION INVOLVED:	V NDOFFS FOR
							+	ype of samples (on	1001	TOWN INNIE	Ceg. Cov.v., riidae	, w DEG, 100,)
EEA CLI	EEA CLIENT CODE:	Ë	COC ID:	SAMPLE GROUP:			S	EE ATTACHED	SEE ATTACHED BOTTLE ORDER FOR ANALYSES	OR ANALYSES	S x (check for yes), OR	yes), <u>OR</u>
	Honolulu	ılılı						list ANALYSES R	list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)	er of bottles sen	t for each test for e	each sample)
TAT requ	ıested: ru	TAT requested: rush by adv notice only	se only	STD 1 wk _X_ 3 day	_ 2 day _	1 day	ī					
					l	A	Ī	u ,			SA	SAMPLER
SAMPLE BTAG	SAMPLE TIME	SAI	SAMPLE ID	CLIENT LAB ID	* XISTAM	таа алэгэ	TAO DATA	Меекіу Red			00	COMMENTS
7-14-22	SMS	HALA	HALAWA SHAFT	HI0000331-241	CFW			×				
		Tempe	Temperature Blank								Temp Blank:	ank: <u>12.0</u> °C
* MATF	* MATRIX TYPES:		RSW = Raw Surface Water RGW = Raw Ground Water	CFW = Chlor(am)inated Finished Water FW = Other Finished Water	d Finish Vater	ed Wat		SEAW = Sea Water WW = Waste Water	BW = Bottled Water SW = Storm Water	Vater SO = Soil ater SL = Sludge		O = Other - Please Identify
		SIG	SIGNATURE		ъ	PRINT NAME	=		COMPANY/TITLE	E	DATE	TIME
SAMPLED BY:	BY:	6111	B		De	Derek Dotson	son		Honolulu Board of Water Supply	ter Supply	2-14-222	
RELINQUISHED BY:	SHED BY:	man	Q		6	Derek Dotson	son		Honolulu Board of Water Supply	ter Supply	2-12-2022	1200
RECEIVED BY:	BY:	14-		WoTO	1110	loscera	7		ach		21.91.2	1607
RELINQUISHED BY:	SHED BY:	0		,								
RECEIVED BY:	BY:											
Page											PAGE	E1_0F1

Page 5 of 44 pages

			Eurofins Ealon Analytical		SAMPLES CHECKED AGMINS COC BY:
	TIME	DATE	COMPANYTITLE	PRINT NAME	63
	1>50	2,16,12	Eurofins Eaton Analytical	Meta Aloscencii	RECEIVED BY:
	TIME	DATE	GOMPANYITILE	PRINTNAME	BIGNATURE
1				adspace (i.e. potential sampling errors):	Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors):
			-		
			-		
χ.	llonal clients: Bottle # None/<6	using 40 ml vlals, Interna Test Samp ID	samp ID Bottle # Mmn	HeadSpace Documentation (use adminional vocation trom headspace concerns: Methods 515.4, HAA(6251,565), 505, SPME, @CH, 532LCMS, 556, 538, Anatoxin, LCMS methods using 40 ml vials, International clients: Exempt from headspace concerns: Methods 515.4, HAA(6251,562), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients: Samp ID Bottle # None/c6 >6mm	Headspace Ly Exempt from headspace concerns: Met Samp ID Bottle # None/<6 >6mm Test
		see below):	Samples with Headspace (see below):	No Samples with Headspace: Samples with Headspace (see below):	7) VOA and Radon No Sa
			te: Results	Explu	6) Chlorine check. Manufacturer: Sansafe. Lot No.:
ţs:	Results:	Expiration Date	nH strin tyne: 0 = 14 or	Totalia Ho	í
		tlon)	after 24 hrs of sample collect	DD): must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)	4 Dioxin (1613 or 2,3,7,8 TCDD): mu
) (C)	.C) (Corr.Factor	(c) (Final - (c) 2 = (Observation - (c) (Final - (c) (c) 4 = (Observation - (c)	the 3 - Cheanvalton CO (Confesior Confesior Co	If out of temperature range for both Chemistry and Microbiology samples amples and lemperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants
			ction)	3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)	3) Microbiology, Surface Water: < 10
	<u>(s</u>	llection, within 8 hours	e the same day as sample co	2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on Ice the same day as sample collection, within 8 hours)	2) Microbiology, Distribution: < 10°.
			llection)	ipijance Acceptance Citiena. 1) Chemistry: >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)	Compliance Acceptance Circura. 1) Chemistry: >0, ≤6°C, not frozen (N
		.	Top Line / Other:	METHOD OF SHIPMENT: Pick-Up / Walk-In / Fedex) UPS / DHL / Area Fast / Top Line / Other.	METHOD OF SHIPMENT: Pick-Up / Wal
-	N/A	en Thawed	Frozen V Partially Frozen	No Ice CONDITION OF ICE:	TYPE OF ICE: Real Synthetic
			°C) (Final = 3.9 °C)	(Observation= 4/1) °C) (Corr.Factor 0.2 °C	IR Gun ID = 630 (Observ
	analysis or not.	rernine whether to proceed with $\sqrt{N9}$	SAINIFIE TEINIP RECEIVED: Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysts or not. SAMPLES REC'D DAY OF COLLECTION? Yes IN	SAMPLES REC'D DAY OF C.	EEA Folder Number: 19417
		RECORD	OF CUSTODY	INTERN	್ಟ್ರೋ eurofins Fator Analytical



Laboratory Comments

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

1 800 566 LABS (1 800 566 5227)

Report: 987972 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



Tel: (626) 386-1100

Laboratory Hits

Report: 987972 Project: RED-HILL

Group: Red-Hill Expanded List

(Albuquerque+)

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: 02/16/2022 1807





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

1 800 566 LABS (1 800 566 5227)

Report: 987972 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: 02/16/2022 1807

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
HALAW	A SHAFT-33	1-241-TP40	1 (202202161174	<u>1)</u>		Sam	pled on 02/14	/2022 091	5
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	rbons				
02/17/22	02/17/22 22:56			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
		SW 8015B	- TPH 8015 Dies	el and Motor	Oil				
02/21/22	02/23/22 00:56			(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
02/21/22	02/23/22 00:56			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.051	1
		EPA 8015 -	Jet Fuel 5 C8-C	:18					
02/21/22	02/23/22 00:56			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.051	1
		EPA 8015 -	Jet Fuel 8 C8-C	:18					
	02/23/22 00:56			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.051	1
TRAVEL	BLANK::HA	ALAWA SHA	AFT-331-241-TP4	401 (20220216	<u>61175)</u>	Sam	pled on 02/14	/2022 091	5
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	rbons				
02/17/22	02/17/22 23:32			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1



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

Date: 03-08-2022 EMAX Batch No.: 22B178

Attn: Jackie Contreras

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

Subject: Laboratory Report

Project: 987972

Enclosed is the Laboratory report for samples received on 02/17/22. The data reported relate only to samples listed below:

Sample ID	Control # Col Date	Matrix	Analysis
202202161174	B178-01 02/14/22	WATER	TPH GASOLINE TPH
202202161175	B178-02 02/14/22	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

Caspar J. Pang Laboratory Director

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

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

NELAP Accredited Certificate Number 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

220178

Date: 2/17/2022

*REPORTING REQUIRMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbersl Report & Invoice must have the Folder# 987972 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.

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 Invoices to: Eurofins Eaton Analytical, LLC Phone (626) 386-1165 Fax (626) 386-1122

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

2-3 day rush

Fax: 310-618-0818

Phone: 310-618-8889

Report Due: 02/23/2022 Folder #: 987972

Sample ID 202202161174

Sample type

Static ID: Clip Code Sample Date & Time Matrix Sample Point ID: 02/14/22 0915 Facility ID: Client Sample ID for reference onl HALAWA SHAFT-331-241-TP401 Sample Event:

SI

PWSID

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

Sample ID

TRAVEL BLANK: HALAWA SHAFT-331-241-TP401 Client Sample ID for reference onl 202202161175

3LS

PWSID

Clip Code

Sample Date & Time Matrix 02/14/22 0915 DW

Sample Point ID:

Facility ID:

Sample Event:

Sample type:

Method

Static ID:

(SUB)Gas Fraction Hydrocarbons **Analysis Requested Prep Method EPA 5030C** SW 8015B NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn. Jackie Contreras

Date 02/17/22 Time 12: 14

Date

Sample Control

Relinquished by:

Received by:

Time

Date Date

Sample Control

TOMP

(中) 2.6°,

REPORT ID: 22B178750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton Page 3 of 6

Page 2 of 35

Page 11 of 44 pages

Received by:

Relinquished by:

Reference: Addendum SM02.11.1

Form: SM02F1

T of D.	Livane	1	Airbill / Tracki	ng Number	ECN 228178	
Type of De ☐ Fedex ☐ UPS ☐ GSO		 	Allolii/ Hacki	ing (vanioci	Recipient JUCE UNE	solis-Ramos
□ EMAX Courier		 			Date 02/17/12	Time 12:14
	very	L			Daile Odjii jub	Time 17.1
COC INSPECTION				- 		4
Client Name	Client PM/FC		☐ Sampler Name	Sampling Date/Time	Sample ID	Matrix
Address	Tel # / Fax #		☐ Courier Signature	Analysis Required	☐ Preservative (if any)	TAT
Safety Issues (if any)	☐ High concentrations exp	ected	☐ From Superfund Site	☐ Rad screening required		
Note:		<u> </u>				
PACKAGING INSPECTION	ON ,					
Container COYFOCTIUN	Cooler		□ Box	□ Other		
Condition factor -,5	Custody Seal		☐ Intact	□ Damaged		
Packaging	Bubble Pack		☐ Styrofoam	☐ Popcom ·	☐ Sufficient	
Temperatures	Cooler 1 2.4/1.9 °C	d Coo	oler 21.9/1.4 °C	☐ Cooler 3 °C	Cooler 4 2.6/2. C	□ Cooler 5°C
(Cool, ≤6 °C but not frozen)	Cooler 6 "C	/ Cod	oler 7°C	Cooler 8°C	Cooler 9°C	□ Cooler 10°C
Thermometer:	A-S/N 210191066	11dr	oler 2 1.9/1.4 °C oler 7 °C R - S/N 210271396	(C)S/N 21027 1399	D - S/N	
Comments: Temperature is ou	•	d IMM	EDIATELY.			
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DISCREPANCIES						
LabSampleID	LabSampleContainerID	Code	ClientSample La	bel ID / Information	Corrective A	Action
Lausampiens	4-9	D2		indicated on label	D 8	1011011
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☐ pH holding time requirement	t for water camples is 15 m	ine W	ater samples for nH analy	vsis are received beyond 15 r	ninutes from sampling time	100 2/18/12
in pri noiding time requirement	t tot water samples is 13 m	шз. ₩	ater samples for pri analy	sis are received beyond 15 i.	minutes from sampling time.	1000 -11010
NOTES/OBSERVATIONS:						
	NY					
		<u></u>				
LEGEND:					☐ Continue to next pag	
Code Description-Sample Man	=		Description-Sample Mana	ngement	Code Description-Sample Manag	•
D1 Analysis is not indicated in	***		Out of Holding Time		R1 Proceed as indicated in □ COC	C □ Label
(D2) Analysis mismatch COC vs	label	D14	Bubble is >6mm		R2 Refer to attached instruction	
D3 Sample ID mismatch COC	vs label		No trip blank in cooler	•	R3 Cancel the analysis	
D4 Sample ID is not indicated	in		Preservation not indicated i		R4 Use vial with smallest bubble f	irst
D5 Container -[improper] [leak	ring] [broken]	D1 7	Preservation mismatch COO	C vs label	R5 Log-in with latest sampling dat	e and time+1 min
D6 Date/Time is not indicated	in		Insufficient chemical presen	rvative	R6 Adjust pH as necessary	
D7 Date/Time mismatch COC	vs. label	D19	Insufficient Sample		R7 Filter and preserved as necessar	у
D8 Sample listed in COC is not	t received		No filtration info for dissolv		R8	
D9 Sample received is not liste		D21	No sample for moisture determ	mination	R9	
(10) No initial/date on correction	ns in COC(label)	D22			R10	
D11 Container count mismatch	COC vs received	D23			R11	
D12 Container size mismatch Co		D24			R12	
	JOCELYNE //	1		1/0, 1		M
Sample Labeling	SOKE KALLIN CONTRACTOR	W	SRF	# 2 d 1 3 d	PM	1101/112/112
Date		クレ	Date	- 5/17/22	Date	1/18/0

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.

REPORT ID: 22B178 Page 4 of 35

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

987972

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

SDG#: 22B178

Client: EUROFINS EATON ANALYTICAL

Project: 987972

SDG : 22B178

METHOD 5030B/8015B

TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

A total of two(2) water samples were received on 02/17/22 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. VG39B10B - 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. VG39B10L/VG39B10C 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 B177-01M/B177-01S. 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.

REPORT ID: 22B178

LAB CHRONICLE TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

								SDG NO.	: 228178
Client : EUKUFINS EA	: EUKUFINS EAION ANALYIICAL								O C C C C C C C C C C C C C C C C C C C
Project : 987972								Instrumen	`
				WATER	ER				
Client	Laboratory	aboratory Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	Sample ID	Factor	Moist	DateTime	DateTime	Data FN	Data FN	Batch	Notes
; ; ; ; ;	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
MB: 7.1%	VG39B10B	-	AN	02/17/2216:15	02/17/2216:15	EB17005A	EB17003A	22VG39B10	22VG39B10 Method Blank
3120	VG39B10L	-	NA	02/17/2216:52	02/17/2216:52	EB17006A	EB17003A	22VG39B10	22VG39B10 Lab Control Sample (LCS)
3001	VG39B10C	-	AN	02/17/2217:28	02/17/2217:28	EB17007A	EB17003A	22VG39B10	2VG39B10 LCS Duplicate
202202161174	B178-01	-	NA	02/17/2222:56	02/17/2222:56	EB17016A	EB17014A	22VG39B10	:2VG39B10 Field Sample
202202161175	B178-02	-	NA	02/17/2223:32	02/17/2223:32	EB17017A	EB17014A	22VG39B10	:2VG39B10 Field Sample

SAMPLE RESULTS

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

Client : EUROFINS EATON ANALYTICAL Date Collected: 02/14/22 09:15

Date Received: 02/17/22
Date Extracted: 02/17/22 22:56 Project : 987972 Batch No. : 22B178 Sample ID : 202202161174 Date Analyzed: 02/17/22 22:56

Lab Samp ID: B178-01 Dilution Factor: 1 Lab File ID: EB17016A Matrix: WATER % Moisture: NA Ext Btch ID: 22VG39B10 Instrument ID: 39 Calib. Ref.: EB17014A

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

SURROGATE PARAMETERS RESULT SPK AMT %RECOVERY QC LIMIT 0.0334 0.0400 83 60-140 Bromofluorobenzene

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

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

Client : EUROFINS EATON ANALYTICAL Date Collected: 02/14/22 09:15 Date Received: 02/17/22

Project : 987972
Batch No. : 22B178
Sample ID : 202202161175 Date Extracted: 02/17/22 23:32 Date Analyzed: 02/17/22 23:32

Lab Samp ID: B178-02 Dilution Factor: 1 Matrix: WATER Lab File ID: EB17017A Ext Btch ID: 22VG39B10 % Moisture: NA Calib. Ref.: EB17014A Instrument ID: 39

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

RESULT SPK_AMT %RECOVERY QC LIMIT SURROGATE PARAMETERS Broinof Luorobenzene 0.0331 0.0400 83 60 140

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: 02/17/22 16:15

 Project
 : 987972
 Date Received: 02/17/22

 Batch No.
 : 22B178
 Date Extracted: 02/17/22 16:15

 Sample ID
 : MBLK1W
 Date Analyzed: 02/17/22 16:15

Lab Samp ID: VG39B10B Dilution Factor: 1 Matrix: WATER Lab File ID: EB17005A Ext Btch ID: 22VG39B10 % Moisture: NA Instrument ID: 39 Calib. Ref.: EB17003A

RESULTS RL (mg/L) (mg/L) MDL MUL (mg/L) PARAMETERS ______ ND 0.020 0.010 GASOL I NE SPK_AMT %RECOVERY QC LIMIT RESULT SURROGATE PARAMETERS

0.0339 85 60-140 0.0400 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 Prepared by : SCerva

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 22B178

: 987972

METHOD

: 5030B/8015B

MATRIX : WATER		% MOISTURE:NA
DILUTION FACTOR: 1	1	1
SAMPLE ID : MBLK1W	LCS1W	LCD1W
LAB SAMPLE ID : VG39B10B	VG39B10L	VG39B10C
LAB FILE ID : EB17005A	EB17006A	EB17007A
DATE PREPARED : 02/17/22 16:15	02/17/22 16:52	02/17/22 17:28
DATE ANALYZED : 02/17/22 16:15	02/17/22 16:52	02/17/22 17:28
PREP BATCH : 22VG39B10	22VG39B10	22VG39B10
CALIBRATION REF: EB17003A	EB17003A	EB17003A

ACCESSION:

PARAMETERS Gasoline	MBResult (mg/L) ND	SpikeAmt (mg/L) 0.500	LCSResult (mg/L) 0.443	LCSRec (%) 89	SpikeAmt (mg/L) 0.500	LCDResult (mg/L) 0.456	LCDRec (%) 91	RPD (%) 3	QCLimit (%) 60-130	MaxRPD (%) 30
SURROGATE PARAMETER Bromofluorobenzene		SpikeAmt (mg/L) 0.0400	LCSResult (mg/L) 	LCSRec (%) 101	SpikeAmt (mg/L) 	LCDResult (mg/L) 0.0412	LCDRec (%) 103		QCL imit (%) 70-130	

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. : 22B177

: 987883

METHOD

: 5030B/8015B

MATRIX : WATER

% MOISTURE:NA

DILUTION FACTOR: 1

SAMPLE ID : 202202160931 LAB SAMPLE ID : B177-01

202202160931MS

202202160931MSD

LAB FILE ID : EB17011A

B177-01M

B177-01S EB17013A

DATE PREPARED : 02/17/22 19:53

EB17012A 02/17/22 20:30 02/17/22 20:30

02/17/22 21:06 02/17/22 21:06

DATE ANALYZED : 02/17/22 19:53 PREP BATCH : 22VG39B10 CALIBRATION REF: EB17003A

22VG39B10 EB17003A

22VG39B10 EB17003A

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	0.495	99	0.500	0.499	100	1	50-130	30

QCLimit SpikeAmt MSResult MSRec SpikeAmt MSDResult MSDRec SURROGATE PARAMETER (mg/L) (mg/L) (%) (mg/L) (mg/L) (%) (%) ______ 60-140 0.0400 0.0420 105 0.0400 0.0431 108 Bromofluorobenzene

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

987972

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22B178

Client : EUROFINS EATON ANALYTICAL

Project: 987972

SDG : 22B178

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 02/17/22 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. DSB027WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) LCS was analyzed. Percent recovery for Diesel was within LCS QC limits in DSB027WL. 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 22B177-01M/22B177-01S. 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: 987972

SDG : 22B178

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 02/17/22 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. DSB027WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) LCS was analyzed. Percent recovery for JP5 was within LCS QC limits in J5B027WL. 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. JP5 was within MS QC limits in 22B177-01M/22B177-01S. 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: 987972

SDG : 22B178

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

One (1) water sample was received on 02/17/22 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. DSB027WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) LCS was analyzed. Percent recovery for JP8 was within LCS QC limits in J8B027WL. 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. JP8 was within MS QC limits in 22B177-01M/22B177-01S. 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.

LAB CHRONICLE TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFIN Project : 987972	: EUROFINS EATON ANALYTICAL : 987972				 		; ; ; ; ; ;	SDG NO. : 22E Instrument ID : D5	SDG NO. : 22B178 Instrument ID : D5
				WATER	 				
Client	Laboratory Dilution	Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	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 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 K1W	DSB027WB	,	NA	02/22/2221:14	02/21/2210:30	LB22012A	LB22006A	22DSB027W Method Blank	ethod Blank
LCS1W	DSB027WL	, -	NA	02/22/2221:32	02/21/2210:30	LB22013A	LB22006A	22DSB027W La	22DSB027W Lab Control Sample (LCS)
202202161174	8178-01	-	NA	02/23/2200:56	02/21/2210:30	LB22024A	LB22006A	22DSB027W F	22DSB027W Field Sample

FN - Filename % Moist - Percent Moisture

LAB CHRONICLE PETROLEUM HYDROCARBONS BY EXTRACTION

י בווי	SINCE THE STATE OF THE PARTICIAL AND INTINE	VTICAL							SOG NO.	: 22B178
Project	- 987972	1							Instrumen	Instrument ID : D5
		## ## ## ## ##	!! !! !! !! !! !! !!	H H H	11 11 11 11 11 11 11 11 11 11			 		
					WATER	ER				
Client	La	aboratory Dilution	Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID	Sa	Sample ID	Factor	Moīst	DateTime	DateTime	Data FN	Data FN	Batch	Notes
1 1 1	:	111111	1	1 1	1 1 1 1 1 1 1 1 1 1			!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!		
MRI K1W	SO	38027WB	,	NA	02/22/2221:14	02/21/2210:30	LB22012A	LB22007A	22DSB027W	22DSB027W Method Blank
I CS1W		15B027WL	-	NA	02/22/2221:51	02/21/2210:30	LB22014A	LB22007A	22DSB027W	22DSB027W Lab Control Sample (LCS)
202202161176		178-01	_	ΑN	02/23/2200:56	02/21/2210:30	LB22024A	LB22007A	22DSB027W	22DSB027W Field Sample

LAB CHRONICLE PETROLEUM HYDROCARBONS BY EXTRACTION

Client	: EUROFINS EATON ANALYTICAL	ANALYTICAL							SDG NO.	: 228178
Project	: 987972								Instrument ID : D5	: D5
 		#1111111111111111111111111111111111111		 						
					F 4.1	çi.				
					¥U - ¥ 3	20				
Client		Laboratory	aboratory Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	n Prep.	
Sample ID		Sample ID	Factor	Moist	DateTime	DateTime	Data FN	Data FN	Batch Notes	Se
1 1 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 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		
MBLK1W		DSB027WB	-	NA	02/22/2221:14	02/21/2210:30	LB22012A	LB22008A	22DSB027W Method Blank	nod Blank
LCS1W		J8B027WL	-	AN	02/22/222:09	02/21/2210:30	LB22015A	LB22008A	22DSB027W Lab	22DSB027W Lab Control Sample (LCS)
202202161174	174	B178-01	_	NA	02/23/2200:56	02/21/2210:30	LB22024A	LB22008A	22DSB027W Field Sample	d Sample

SAMPLE RESULTS

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL Date Collected: 02/14/22 09:15

Project : 987972 Date Received: 02/17/22
Batch No. : 22B178 Date Extracted: 02/21/22 10:30
Sample ID : 202202161174 Date Analyzed: 02/23/22 00:56

Lab Samp ID: 22B178-01 Dilution Factor: 1
Lab File ID: LB22024A Matrix: WATER
Ext Btch ID: 22DSB027W % Moisture: NA
Calib. Ref.: LB22006A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.025	0.013	
Motor Oil	ND	0.051	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.510	0.510	100	60-130
Hexacosane	0.122	0.127	96	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 : 980ml Final Volume : 5ml Prepared by : POreto Analyzed by : SDeeso

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL Date Collected: 02/14/22 09:15

Lab Samp ID: 22B178-01

Lab File ID: LB22024A

Date Analyzed: 02/25/22

Dilution Factor: 1

Matrix: WATER

Lab File ID: LB22024A Matrix: WATER
Ext Btch ID: 22DSB027W % Moisture: NA
Calib. Ref.: LB22007A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.051	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.510	0.510 0.127	100 96	60-130 60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 980ml Final Volume : 5ml

Prepared by : POreto Analyzed by : SDeeso

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL Date Collected: 02/14/22 09:15

Lab Samp ID: 22B178-01 Dilution Factor: 1
Lab File ID: LB22024A Matrix: WATER
Ext Btch ID: 22DSB027W % Moisture: NA
Calib. Ref.: LB22008A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.051	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene Hexacosane	0.510 0.122	0.510 0.127	100 96	60-130 60-130

Notes:

RL: Reporting Limit
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 : 980ml Final Volume : 5ml Prepared by : POreto Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL Date Collected: 02/21/22 10:30

 Project
 : 987972
 Date Received: 02/21/22

 Batch No.
 : 22B178
 Date Extracted: 02/21/22 10:30

 Sample ID
 : MBLK1W
 Date Analyzed: 02/22/22 21:14

Lab Samp ID: DSB027WB
Lab File ID: LB22012A
Ext Btch ID: 22DSB027W
Calib. Ref.: LB22006A
Dilution Factor: 1
Matrix: WATER
% Moisture: NA
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	0.384	0.500	77	60-130
Hexacosane	0.110	0.125	88	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

Prepared by : POreto Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL

PROJECT : 987972
BATCH NO. : 22B178
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA

DILUTION FACTOR: 1 1

 SAMPLE ID
 : MBLK1W
 LCS1W

 LAB SAMPLE ID
 : DSB027WB
 DSB027WL

 LAB FILE ID
 : LB22012A
 LB22013A

 DATE PREPARED
 : 02/21/22 10:30
 02/21/22

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)					
Diesel	ND	2.50	2.72	109	50-130					
		SpikeAmt	LCSResult	LCSRec	QCLimit					

SURROGATE PARAMETERS	SpikeAmt	LCSResult	LCSRec	QCLimit
	(mg/L)	(mg/L)	(%)	(%)
Bromobenzene	0.500	0.567	113	60-130
Hexacosane	0.125	0.130	104	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL

PROJECT : 987883 BATCH NO. : 22B177 METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA

DILUTION FACTOR: 1 1 1

SAMPLE ID : 202202160931 202202160931MS 202202160931MSD LAB SAMPLE ID : 22B177-01
LAB FILE ID : LB22017A
DATE PREPARED : 02/21/22 10:30 22B177-01S 22B177-01M LB22019A LB22018A 02/21/22 10:30 02/21/22 10:30 02/22/22 23:23 02/22/22 23:05 DATE ANALYZED : 02/22/22 22:46 PREP BATCH : 22DSB027W 22DSB027W 22DSB027W LB22006A CALIBRATION REF: LB22006A LB22006A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.50	2.89	116	2.55	3.16	124	9	50-130	30
	*========			======	=======	========		=======	=======	======
SURROGATE PARAMETERS		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.500 0.125	0.478 0.122	96 98	0.510 0.127	0.512 0.132	100 104		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: 02/21/22 10:30

Date Received: 02/21/22 Date Extracted: 02/21/22 10:30

Project : 987972 Batch No. : 22B178 Sample ID : MBLK1W Date Analyzed: 02/22/22 21:14 Lab Samp ID: DSB027WB Dilution Factor: 1

Matrix: WATER Lab File ID: LB22012A Ext Btch ID: 22DSB027W % Moisture: NA Calib. Ref.: LB22007A Instrument ID: D5

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 Hexacosane	0.384 0.110	0.500 0.125	77 88	60-130 60-130

Notes:

: 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.

Sample Amount : 1000ml Final Volume : 5ml

Prepared by : POreto Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL

PROJECT : 987972
BATCH NO. : 22B178
METHOD : 3520C/8015B

MATRIX: WATER % MOISTURE:NA
DILUTION FACTOR: 1 1

SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSB027WB J5B027WL
LAB FILE ID : LB22012A LB22014A
DATE PREPARED : 02/21/22 10:30 02/21/22 10:30

DATE PREPARED : 02/21/22 10:30 02/21/22 10:30
DATE ANALYZED : 02/22/22 21:14 02/22/22 21:51
PREP BATCH : 22DSB027W 22DSB027W
CALIBRATION REF: LB22007A LB22007A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
JP5	ND	2.50	2.25	90	30-160
=======================================	=========	============			========
SURROGATE PARAMETERS		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene Hexacosane		0.500 0.125	0.450 0.119	90 95	60-130 60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA MS/MSD ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 987883

METHOD

: 22B177 : 3520C/8015B

MATRIX : WATER DILUTION FACTOR: 1

% MOISTURE:NA

SAMPLE ID : 202202160931

LAB SAMPLE ID : 22B177-01

202202160931MS 22B177-01M LB22020A

202202160931MSD 22B177-01S LB22021A

DATE PREPARED : 02/21/22 10:30 DATE ANALYZED : 02/22/22 22:46

LAB FILE ID : LB22017A

02/21/22 10:30 02/22/22 23:42

02/21/22 10:30 02/23/22 00:00 22DSB027W

PREP BATCH : 22DSB027W CALIBRATION REF: LB22007A

22DSB027W LB22007A

LB22007A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRcc (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.53	2.69	107	2.53	2.59	103	4	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	0.495 0.121	98 96	0.505 0.126	0.501 0.120	99 95		60-130 60-130	

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

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL Date Collected: 02/21/22 10:30

Project : 987972 Batch No. : 22B178 Date Received: 02/21/22 Date Extracted: 02/21/22 10:30 Sample ID : MBLK1W Date Analyzed: 02/22/22 21:14

Dilution Factor: 1 Lab Samp ID: DSB027WB Matrix: WATER Lab File ID: LB22012A Ext Btch ID: 22DSB027W % Moisture: NA Instrument ID: D5 Calib. Ref.: LB22008A

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.050	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene Hexacosane	0.384 0.110	0.500 0.125	77 88	60-130 60-130

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.

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 : 987972
BATCH NO. : 22B178
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA

DILUTION FACTOR: 1 1

SAMPLE ID : MBLK1W LCS1W

LAB SAMPLE ID : DSB027WB J8B027WL

LAB FILE ID : LB22012A LB22015A

DATE PREPARED : 02/21/22 10:30 02/21/22

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
JP8	ND	2.50	2.21	88	30-160
	=========	========			========
SURROGATE PARAMETERS		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene Hexacosane		0.500 0.125	0.528 0.122	106 98	60-130 60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA MS/MSD ANALYSIS

CLIENT

; EUROFINS EATON ANALYTICAL

PROJECT BATCH NO.

: 987883 : 22B177

METHOD

: 3520C/8015B

MATRIX DILUTION FACTOR: 1

: WATER

% MOISTURE:NA

SAMPLE ID : 202202160931

202202160931MS 202202160931MSD

LAB SAMPLE ID : 22B177-01

22B177-01M

22B177-01S

LAB FILE ID : LB22017A DATE PREPARED : 02/21/22 10:30

LB22022A

LB22023A 02/21/22 10:30

DATE ANALYZED : 02/22/22 22:46

02/21/22 10:30 02/23/22 00:19

02/23/22 00:38 22DSB027W

PREP BATCH : 22DSB027W CALIBRATION REF: LB22008A

22DSB027W LB22008A

LB22008A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP8	ND	2.62	2.58	98	2.62	2.26	86	13	30-160	30
	=========	======================================	========	=======	========	========	:======			
SURROGATE PARAMETERS		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.525 0.131	0.563 0.128	107 98	0.525 0.131	0.491 0.123	94 94		60-130 60-130	

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