

Eaton Analytical

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 04/06/2022

DEB: Debbie L Frank

Project Manager

Report: 993239 Project: RED-HILL Group: TPH-8015_RED-HILL (2022) Weekly

* 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.

Utah ELCP CA00006

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Eaton Analytical

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

Eurofins Eaton Analytical, LLC

750 Royal Oaks Drive, Suite 100 Monrovia, CA 91016-3629 T | 626-386-1100 F | 866-988-3757 www.EurofinsUS.com/Eaton

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

			www.eu
Test(s)	Method(s)	Potable	Waste
Test(s)	wernou(s)	Water *	Water
Enterococci	Enterolert	х	х
Escherichia coli	SM 9221 B.1		
(Enumeration)	SM 9221 F	x	
Fecal Coliform (P/A and	SM 9221 C		
Enumeration)	(MTF/EC), SM 9221 E (MTF/EC)	×	X
Fecal Streptococci and			
Enterococci	SM 9230 B	x	x
Heterotrophic Bacteria	SM 9215 B	х	
Legionella	Legiolert®	х	
	Idexx		
Pseudomonas aeruginosa	Pseudalert	x	
Total Coliform (P/A and	SM 9221A, SM		
Enumeration)	9221B, SM 9221 C	×	x
Total Coliform, Total			
Coliform with Chlorine	SM 9221 B	x	x
Present	0111 3221 0		
Total Coliform/E. coli (P/A and	014 0000		
Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	×	
Total Microcystins and			
Nodularins	EPA 546	Х	
Yeast and Mold	SM 9610	х	
1,2,3-Trichloropropane	CA SRL 524M-	x	
(TCP) at 5 PPT	TCP		
1,4-Dioxane	EPA 522	X	
2,3,7,8-TCDD	Modified EPA	х	
	1613 B		
Acrylamide	+ LCMS 2440)	X	
Algal Toxins/Microcys in	* LCMS 3570	X	
Alkalinity	SM 2320B	X	X
Ammonia	EPA 350.1,		
Ammonia	SM 4500-NH3 H		x
Asbestos	EPA 100.2	~	~
Bicarbonate Alkalinity as	SM 2330 B	X	X
HCO3	SIVI 2330 D	х	x
BOD/CBOD	SM 5210 B		x
Bromate	+LCMS-2447	X	~
Carbonate as CO3	SM 2330 B	x	x
Carbonyls	EPA 556	x	X
	EPA 410.4,		~
Chemical Oxygen Demand	SM 5220D		x
Chlorinated Acids	EPA 515.4	x	
Ghiofinatea / tolas	Palin Test		
	Chlordio X Plus,		
Chlorine Dioxide	SM 4500-CLO2	x	
	D		
Chlorine, Free, Combined,			
Total Residual,	SM 4500-CI G	x	
Chloramines			
Color	SM2120B	х	
Conductivity	EPA 120.1,		
Conductivity	SM 2510B	X	x
Corrosivity (Langelier			
Index), Carbonate as CO3,	SM 2330 B	x	
Hydroxide as OH	0111200012	<u>^</u>	
Calculated			
Cyanide (Amenable)	SM 4500-CN	x	x
	G SM 4500CN E		
Cyanide (Free)	SM 4500CN F	X	X
Cyanide (Total)	EPA 335.4	X	X
Cyanogen Chloride	+ 335 Mod	x	
(Screen) Diguat and Paraguat	(WC-24467)		
Diquat and Paraquat	EPA 549.2	X	
DBP and HAA Dissolved Organic Carbon	SM 6251 B SM 5310 C	X	
Dissolved Organic Carbon Dissolved Oxygen	SM 5310 C SM 4500-O G	X	v
EDB/DCBP/TCP	EPA 504.1	~	X
EDB/DCBP/TCP EDB/DBCP and		X	
Disinfection Byproducts	EPA 551.1	x	
EDTA and NTA	+ WC-2454	X	
	EPA 548.1,	^	
Endothall	⁺ (LCMS-2445)	x	
Fluoride	SM 4500F C	x	x
Glyphosate	EPA 547	X	~
Glyphosate and AMPA	+LCMS-3618	X	
Gross Alpha and Gross Beta	EPA 900.0	X	x
and erood both	2111000.0		

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

(*) includes: Bottled Water, Drinking Water and Water as Component of Food & Beverage.
(+) In-House Method Phone: 808-748-5091

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

Phone: (626) 386-1149 PO #: C20525101 exp 05312023

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

Sample #	Sample ID	Sample Date
202203160765	HALAWA SHAFT-331-241-TP401	03/14/2022 0935
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
202203160766	TB:HALAWA SHAFT-331-241-TP401	03/14/2022 0935
	(SUB)Gas Fraction Hydrocarbons	

Test Description

Page 1 of 1

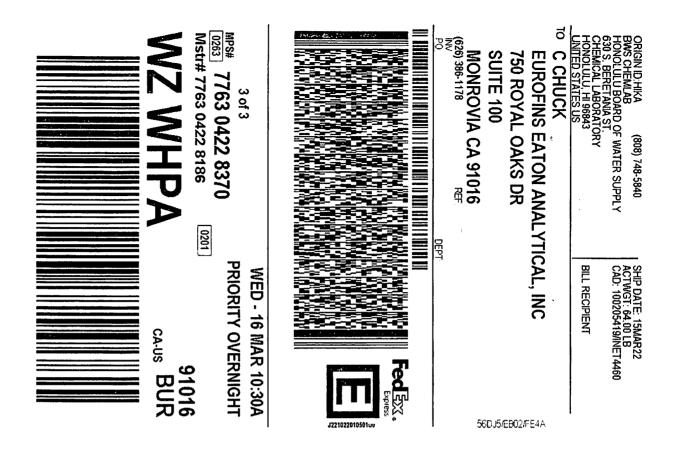
	🔅 eurofins	-			CH	AIN	Q	U U	JST		CHAIN OF CUSTODY RECORD	۵	Amend	K
		Eaton Analytical		EUROFINS EATON ANALYTICAL USE ONLY:	TICAL US	SE ONL	š							4
750 R	oyal Oaks	750 Royal Oaks Drive, Suite 100	rogin	LOGIN COMMENTS:							SAMPLES CI	HECKED AGAI	SAMPLES CHECKED AGAINST COC BY: U	
Monro	Monrovia, CA 91016-3629	016-3629			H. C.									(and for the
Phone Fax: 6	Phone: 626 386 1100 Fax: 626 386 1101	1100	Colt	Colton / No. California / Arizona	/ Arizor	g	•	° °	Complia	°C (Compliance: 4 ± 2 °C)				(crieck tot yes)
			Mor	Monrovia			Q.	° °	Complia	°C (Compliance: 4 ± 2 °C)	2 °C)			
6 008	00 LABS (2	200 200 LABS (200 200 2221)	CO	CONDITION OF BLUE ICE: Frozen	E ICE:	-rozen	X	Partis	Partially Frozen	u.	Thawed	Wet Ice	No Ice	
			Σ	IETHOD OF SHIP	MENT:	^o ick-Up	/ Walk	-In / F	edEx /	UPS / D	METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other:	p Line / Other		
TO BE CO	TO BE COMPLETED BY SAMPLER:	I SAMPLER:)		(check for yes)	(s)	(ct	(check for yes)
COMPAN	COMPANY/AGENCY NAME:	NAME:	PRC	PROJECT CODE:			-		COM	PLIANCE	COMPLIANCE SAMPLES	10.00	NON-COMPLIANCE SAMPLES	×
		BWS HONOLULU		Red Hill	Hill			Type of	samples	 Requires stat Type of samples (circle one): 	e	REGULATIC	forms REGULATION INVOLVED: ROUTINE & FECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA)	e V, NPDES, FDA,)
EEA CLIE	EEA CLIENT CODE:	COC ID:	SAN	SAMPLE GROUP:			-	SEE A	TTACH	IED BO	144	R ANAL YSE	S (check fo	(check for yes), OR
	Honolulu							list A	NALYSI	ES REQU	list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)	r of bottles ser	nt for each test for	each sample)
TAT requ	ested: rush	TAT requested: rush by adv notice only	STD_	1 wk _X 3 day	_ 2 day.	1 day _	-							
ajqma2 ataq	algmaz amit	SAMPLE ID	CL	CLIENT LAB ID	• XIATAM	ATAG OJEIE	ATAG OATA	2108 H915 26015 Gas.					ν Ω	SAMPLER COMMENTS
34-22	SENO	HALAWA SHAFT	H	HI0000331-241	CFW			×						
		Travel Blank			CFW			×	12					
		Temperature Blank					8						Temp E	Temp Blank: <u>//. o</u> °C
* MATF	* MATRIX TYPES:	S: RSW = Raw Surface Water RGW = Raw Ground Water		CFW = Chlor(am)inated Finished Water FW = Other Finished Water	ed Finisl Water	hed Wa		SEAW WW = V	SEAW = Sea Water WW = Waste Water	ater ater	BW = Bottled Water SW = Storm Water	ter SO = Soil er SL = Sludge	ag	0 = Other - Please Identify
		SIGNATURE			-	PRINT NAME	ME				COMPANY/TITLE		DATE	TIME
SAMPLED BY:	3Y:				õ	Derek Dotson	tson			Hoi	Honolulu Board of Water Supply	r Supply	2-14-2025	
RELINQUISHED BY:	HED BY:			<	ă	Derek Dotson	tson			Hol	Honolulu Board of Water Supply	r Supply	3-15-2022	1200
RECEIVED BY:	BY:			S.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ree	5				ena		3.16-22	1239
RELINQUISHED BY:	HED BY:								_					
RECEIVED BY:	BY:													
I F		25											PAGE	1 OF 1

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Eaton Analytical INTERNAL CHAIN Eaton Analytical SAMPLE TEMP RI Eaton Analytical SAMPLE TEMP RI EAFolder Number: MMMM IR Gun ID = 401 TYPE OF ICE: Synthetic TYPE OF ICE: Real Synthetic No Ice CONDITION OF ICI CONDITION OF ICI METHOD OF SHIPMENT: Pick-Up / Walk-In / Fade Compliance Acceptance Criteria: Compliance Acceptance Criteria:		TODY RECORD know. ASMs will determine whether to proceed with analysis or not. rION? Yes / No o.C) Partially Frozen Thawed N/A	
rozen (NE : < 10°C,	LAP) (if received after 24 hrs of sample collection) not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)	ole collection, within 8 hours)	
 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection) frout of temperature range for bolh Chemistry and Microbiology samples and isomerature from and importative does not confirm, then measure the temperature of each quadrant and record each temperature of the 3 = (Observation* ***********************************	C (if received after 2 hours of sample collection)	n=	05.
pH Check. Manufacturer: Lot Number: Lot Number: Explir Chlorine check. Manufacturer: Sansafe. Lot No.: Explir VOA and Radon No Samples with Headspace: Headspace: Headspace: Headspace Documentation (use additional VOC Exempt from headspace concerns: Methods 515.4, HAA(6251,552), 505, SPME, @CH	mber: pH strip type: 0 - 14 or Expiration Expiration Date: Results Expiration ace: Samples with Headspace (see below): additional VOC and Radon Internal COFC for additional bottle b, sos, sPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 mi vi c Samp ID Bottle # None/c6 > 66mm Test	Expiration Date Results: ace (see below): ace (see below): ace (see below): action and the set of t	. Tast
			· · · · ·
Note Sample IDs which have dissimilar headspace (i.e. potential sampling enors).	IL SALIDURE ELOUS). COMPANYTITLE . C	DATE TIME 1 3 .16 · 22 1239 DATE TIME	
SAMPLES CHECKED AGAINST.COG BY:	Euro		
QA FO-FRM5504 (9.28.21) Ver 9			

Page 6 of 34 pages

Page____of____



After printing this label:

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

2. Fold the printed page along the horizontal line.

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

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🖓 eŭrofins	K	Order for BOAF	Kit Order for BOARD OF WATER SUPPLY, CITY AND COUNTY OF	OUNTY OF		- - - - - - - - - - - - - - - - - - -
		Debbie L Frank is	Debbie L Frank is your Eurofins Eaton Analytical, LLC Service Manager	e Manager		
750 Royal Oaks Drive, Sulte 100 Monrovia, California 91016-3629 (626) 386-1100 FAX (866) 988-3757	200 529 8-3757	Note: Sampler	Please return this paper with your samples		Created Date & Time: 1/3/2022 12:06:33AM	3/2022 12:06:33AM
Kit #: 309377 IIIII IIIII IIII Created By: - [AutoGeneraled] Deliver By: 02/02/2022 STG: Bottle Orders Ice Type: G Pre Registered	Kit #: 309377	£ 0 D	Ctient ID: HONOLULU Project Code: RED-HILL Botte Orders Group Name: Red-Hill Expanded List (Albuquerque+) PO#JOB#: C20525101 exp 05312023 Description: AIEA WELLS PUMPS 182 (260) - t	- (t-enbus		
	Ship Sample Kits to Honolulu Board of Water Supply 630 South Beretania Street Chemistry Lab Honolulu, HI 96843	Supply	Send Report to Honolulu Board of Water Supply 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 98843	Billing Address Honolulu Board of Water Supply 630 South Beretanla Street Public Service Bidg." Room 308 Honolutu, HI 96843	later Supply I Street Room 308	
	Attr: Ron Fensternacher Phone: 808-748-5841 Fax: 808-550-5572		Attrr Erwin Kawata Phone: 808-748-5091 Fax: 808-550-5018	Attr: Erwin Kawata Phone: 808-748-5091 Fax: 808-550-5018		
# of Sample Tests 1 TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C 1 @504MOD TB C, 8015 Gas_C TB Sum Tests: 3 Comments	LC, TPH 8015 Jet Fuel 5_C, TB		- Type [preservative information] er glass [1 ml Thio 8%] <u>mber glass</u> vial [1 drop Thio (8%) + H20] mber glass vial [1 drop Thio (8%) + H20]	Total 6 3 2 Sum Bottles: 11	# TOO NU	
-MEAWELLS PUMPS 182 (250) (331 203 TP190)- SaMPLER: Four 1 LITER AMBER GLASS BOTTLES FOR 625 SERIES AND Six 1 LITER AMBER	-203 -71400) ES FOR 625 SERIES AND :	Six 1 LITER AMBER	CIASS BOTTLES FOR TPH 8015 SERIES.			
SHIPPING [.] Travel Blanks - TBA/MTBE, VOASDWA - Prepare TBs in the VOA LAB. Label Cooler on TOP and right below both Handles with Site description of contents (use extra Contaienr Labels)	A - Prepare TBs in the VOA both Handles with Site descr	ription of contents (u	use extra Contaienr 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	as needed for any new dete 624	ections in Field samp	oles.			
Page 8 o						

F of 34 pages

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of Caplers

Tracking #

Via

Date Shinned

Status



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Tel: (626) 386-1100 Fax: (866) 988-3757 1 800 566 LABS (1 800 566 5227) Report: 993239 Project: RED-HILL Group: TPH-8015_RED-HILL (2022) Weekly

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

Folder Comments

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



Tel: (626) 386-1100 Fax: (866) 988-3757 1 800 566 LABS (1 800 566 5227) Report: 993239 Project: RED-HILL Group: TPH-8015_RED-HILL (2022) Weekly

En 63(Pu	nolulu Board of W vin Kawata O South Beretania S blic Service Bldg." nolulu, HI 96843	Street			Samples Red 03/16/2022 1	
Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL

SUMMARY OF POSITIVE DATA ONLY



🛟 eurofins

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

1 800 566 LABS (1 800 566 5227)

Tel: (626) 386-1100

Fax: (866) 988-3757

Eaton Analytical

Rounding on totals after summation. (c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

Report: 993239 Project: RED-HILL Group: TPH-8015_RED-HILL (2022) Weekly

> Samples Received on: 03/16/2022 1239

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
HALAW	A SHAFT-33	1-241-TP40	1 (202203160765	<u>5)</u>		Sam	pled on 03/14	/2022 093	5
		SW 8015B	- (SUB)Gas Frac	tion Hydroca	irbons				
03/19/22	03/19/22 01:51			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
		SW 8015B	- TPH 8015 Dies	el and Motor	Oil				
03/21/22	03/22/22 20:56			(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
03/21/22	03/22/22 20:56			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.051	1
TB:HAL	AWA SHAF	[-331-241-T	P401 (202203160	<u>)766)</u>		Sam	pled on 03/14	/2022 093	5
		SW 8015B	- (SUB)Gas Frac	tion Hydroca	irbons				
03/19/22	03/19/22 02:25			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1



Date: 03-28-2022 EMAX Batch No.: 22C222

Attn: Jackie Contreras

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

Subject: Laboratory Report Project: 993239

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

Sample ID	Control # Col Date	Matrix	Analysis
202203160765	C222-01 03/14/22	WATER	TPH GASOLINE
			TPH DIESEL & MOTOR OIL
202203160766	C222-02 03/14/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

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

Sincerely yours,

it der f 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

L	🐝 eurofins		*REPORTING REQUI	Subr RMENTS: Do Not Combine Re	Orm any other samples submitte	22C22C2C d under different Folder	Date: 3/18/2022 Numbers!
		Eaton Analytical	Report & Invoice must	Report & Invoice must have the Folder# 993239 Job # 1000014	¢ 1000014		
	Shin To.		Report all quality contr Results must have Co	<u>Report all quality control data according to Method. Include dates analyzed</u> Results must have Complete data & QC with Approval Signature.	<u>lude dates analyzed. Date extracted (if extra</u> oval Signature.	Date extracted (if extracted) and Method reterence on the report.	rence on the report.
	EMAX Laboratories, Inc. 3051 Fujita St.	atories, Inc.	Eurofins Eaton /	Reports: Jackie Contreras Sub-Contracting Administrator EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com on Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrov	Reports: Jackie Contreras Sub-Contracting Administrator EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016	Provide in Specified Stat Exp Date for rec	Provide in each Report the Specified StateCertification # and Exp Date for requested tests + matrix.
	Torrance, CA 90505	90505	Accol	Prone (525) 385-1155 Fax (525) 385-1122 Invoices to: Eurofins Eaton Analytical, LLC Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605	x (529) 305-11 zz on Analytical, LLC J Pike, Lancaster, PA 17605		Samples more navra
	Phone: 310-618-8889	-8889 Fax: 310-618-0818	2-3 day rush				
······································	Folder #: F 993239 (Report Due: 03/23/2022					
~~~~	<b>Sample ID</b> 202203160765	Client Sample ID for reference on HALAWA SHAFT-331-241-TP401	ence onl 401	Sample Sample	Date & Time Matrix Clip Code 03/14/22 0935 DW	diswa e	JLS
	Sample type:	Sample Event:	nt:	Facility ID:	Sample Point ID:	Static ID:	
	Method	Prep Method An	Analysis Requested				
	SW 8015B SW 8015B		(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	rbons Oil			
L.,			· ·				
2	<b>Sample ID</b> 202203160766	Client Sample ID for reference onl TB:HALAWA SHAFT-331-241-TP401	<b>ence onl</b> -TP401	Sample	Sample Date & Time Matrix Clip Code 03/14/22 0935 DW		JLS
L	Sample type:	Sample Event:	nt:	Facility ID: Strange age and a	Sample Point ID:	Static ID:	
	Method	Prep Method An	Analysis Requested				
	SW 8015B		(SUB)Gas Fraction Hydrocarbons	rbons			
χ.				Color			
Page	Relinquished by: Received by:	K Sample Control		Date 2/18/2 Time 1/26	NOTIFICATION REQUIRED An Acknowledgement of	EIVED OUTSIDE OF 0-6 C	selsuus ackie Contreras
e 13 of		Sample Control		Date Time	TUMP: (1) 5.2°/	/4.7°	
34 p	Re			Date		2	
ages		REPORT ID: 22C222750 Royal Oaks Drive, Suite 100, Monrovia, CA	uite 100, Monrovia, C/	rage 4 01 4 A 91016 Tel (626) 386-1100	Fax (866) 988-3757 www.EurofinsUS.com/Eaton		Page 2 of 23

### SAMPLE RECEIPT FORM 1

. And Reference: Addendum SM02.11.2 Form: SM02F1

Type of D	aliyan	Т	Airhill / Track	ing Number			
□ Fedex □ UPS □ GSO		Airbill / Tracking Number			ECN 12C122 Recipient AAN RAMUS		
EMAX Courier Client Deli		<u>+</u>			Date 03/10/22	Time 11:26	
				· · · · · · · · · · · · · · · · · · ·	2010 05/10/20		
COC INSPECTION	Client PM/FC		Sampler Name	Sampling Date/Time		- true	
Address	Tel # / Fax #		Courier Signature	Analysis Required	Sample ID	Matrix TAT	
Safety Issues (if any)	High concentrations exp	ected	□ From Superfund Site	Rad screening required	□ Preservative (if any)		
Note:	L Tugn concentrations exp	ecteu		Li Kao screening required			
*******							
		· · ·			· · · · · · · · · · · · · · · · · · ·		
PACKAGING INSPECTIC	D Cooler		D Box			· · · · · · · · · · · · · · · · · · ·	
Condition	Custody Seal			Other .			
Packaging Correction	Bubble Pack			Damaged			
Temperatures factor - 0.5	Cooler 1 5.24.7 °C	de.	$\frac{1}{2}$ Styrofoam bler 2 $\frac{1.3}{1.0}$ °C	Popcorn	□ Sufficient		
Cool, $\leq 6 ^{\circ}C$ but not frozen)	$\square \text{ Cooler 6} \square \square \text{ Cooler 6} \square \square \square \text{ Cooler 6} \square $			Cooler 3°C	$\Box$ Cooler 4 $C$	Cooler 5°C	
Thermometer:	A - S/N		oler 7°C <i>B - S/N</i>	$ \begin{array}{c} \square \text{ Cooler 8} \\ \hline (C) \text{ S/N} \underline{210211399} \end{array} $	$\Box \text{ Cooler 9}__^\circ C$ $D - S/N$	$\Box$ Cooler 10°C	
Comments: 🛛 Temperature is ou	**************************************				<i>D</i> - <i>S</i> /14	· · ·	
Note:	0						
						·····	
DISCREPANCIES					· · · · · · · · · · · · · · · · · · ·	/	
LabSampleID	LabSampleContainerID	Code	ClientSample L	abel ID / Information	Corrective	Action	
1	4.0	DZ	Jet Fuel 5 is a		n X		
2	10,11	07		label: 03/14/22			
	10/11	1 1	and 2/2/22				
			910 216166		<u> </u>		
					What was a state of the state o		
	:				·····		
· · · · · · · · · · · · · · · · · · ·							
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· · · · · · · · · · · · · · · · · · ·				· · · ·			
				12			
			· · · · · · · · · · · · · · · · · · ·			and the second	
□ pH holding time requirement	for water samples is 15 mi	ins. W	ater samples for pH analy	sis are received beyond 15 m	ninutes from sampling time.	1053118/22	
NOTES/OBSERVATIONS:			· · · · · · · · ·				
SAMPLE MATRIX IS DRINKING		6	Du de H	1 ms ant	ra bottles	h >	
minine no ino	I WATER ETES ETIO		unipe H	Jus elev	100 -0110	- <i>( "</i>	
8015, 110 410	illin p	<u>v 1</u>	<u>15/58/</u>		·	<u></u>	
,	Y		1				
LEGEND:	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	Continue to next pa	ge.	
Code Description-Sample Mana	agement	Code	Description-Sample Mana	agement	Code Description-Sample Man	agement	
D1 Analysis is not indicated in	•	D13	Out of Holding Time		R1 Proceed as indicated in CC		
(D2) Analysis mismatch COC vs	label	D14	Bubble is >6mm	•	R2 Refer to attached instruction		
D3 Sample ID mismatch COC			No trip blank in cooler		R3 Cancel the analysis		
D4 Sample ID is not indicated i	n	D16	Preservation not indicated i	n	R4 Use vial with smallest bubble	first	
D5 Container -[improper] [leak	ing] [broken]		Preservation mismatch COO		R5 Log-in with latest sampling da		
D6 Date/Time is not indicated i	n	D18	Insufficient chemical preser	rvative	R6 Adjust pH as necessary		
(D7) (Date) Time mismatch COC	vs label		Insufficient Sample		R7 Filter and preserved as necess	fory MS A	
D8 Sample listed in COC is not	received		No filtration info for dissolv	ved analysis	R8 Jupper	1 Unent	
D9 Sample received is not listed		D21	No sample for moisture deterr	nination	R9 R9		
D10 No initial/date on correction	s in COC/label	D22			R10		
D11 Container count mismatch C	COC vs received	D23			R11		
D12 Container size mismatch CC		D24			R12	A	
REVIEWS:	JOCELYNE //	1.	)	11. 1	•	nh	
Sample Labeling	sulistrames All	Ņ	/ SRF	Ulina	PM	-11/1-	
Date	03/10/22 3/18/	v	Date	3/18/12	Date	SINTLU	
		AVIA	haustonias I 2051 F	ilto St. Tommer CA 0070		······································	
	ນດດ ^ເ ^ເ ^ເ ⁽	4A La	ooratories, Inc. 3051 Fu	ijita St., Torrance, CA 9050		r = 2 of $22$	

Page 3 of 23 Page 14 of 34 pages

## **REPORTING CONVENTIONS**

### DATA QUALIFIERS:

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

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

## ACRONYMS AND ABBREVIATIONS:

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

### **DATES**

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

993239

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

SDG#: 22C222

REPORT ID: 22C222

#### CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 993239

SDG : 22C222

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

A total of two(2) water samples were received on 03/18/22 to be analyzed for Total Petroleum Hydrocarbons by Purge and Trap in accordance with Method 5030B/8015B and project specific requirements.

Holding Time Samples were analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. VGH7C06B - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of LCS/LCD was analyzed. VGH7C06L/VGH7C06C were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. Gasoline was within MS QC limits in C219-01M/C219-01S. Refer to Matrix QC summary form for details.

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

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

REPORT ID: 22C222

Page 6 of 23 Page 17 of 34 pages

	URGE AND TRAP
	ВΥР
СE	NS E
CHRON1 C	ROCARBON
LAB	HΥD
	PETROLEUM
	TOTAL

Cl i ent	: EUROFINS EATON ANALYTICAL	ANALYTICAL							SDG NO. : 22C222
Project	: 993239								
					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			111111	11111	
MRI K1W		VGH7C06B	-	NA	03/18/2220:07	03/18/2220:07	AC18017A	AC18016A	22VGH7C06 Method Blank
I CS14		VGH7C06L	-	NA	03/18/2220:41	03/18/2220:41	AC18018A	AC18016A	22VGH7CO6 Lab Control Sample (LCS)
1 CD 1 W		VGH7C06C	۲	NA	03/18/2221:16	03/18/2221:16	AC18019A	AC18016A	ZZVGH7C06 LCS Duplicate
202203160765	1765	C222-01	۲	NA	03/19/2201:51	03/19/2201:51	AC18027A	AC18016A	22VGH7CO6 Field Sample
202203160766	1766	C222-02	-	NA	03/19/2202:25	03/19/2202:25	AC18028A	AC18016A	22VGH7CO6 Field Sample

FN - Filename % Moist - Percent Moisture

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# SAMPLE RESULTS

Page 8 of 23 Page 19 of 34 pages

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

		==========		
Client : EUROFINS EATON	ANALYTICAL	Date	Collected:	03/14/22 09:35
Project : 993239		Date	Received:	03/18/22
Batch No. : 22C222		Date	Extracted:	03/19/22 01:51
Sample ID : 202203160765		Date	Analyzed:	03/19/22 01:51
Lab Samp ID: C222-01		Diluti	on Factor:	1
Lab File ID: AC18027A			Matrix:	WATER
Ext Btch ID: 22VGH7C06		%	6 Moisture:	NA
Calib. Ref.: AC18016A		Inst	rument ID:	H7
***************************************	================		===========	
	RESULTS	RL	MDL	
PARAMETERS	(mg/L)	(mg/l)	(mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0404	0.0400	101	60-140

#### Notes:

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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 : 5mlFinal Volume : 5mlPrepared by : SCervaAnalyzed by : SCerva

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

		===========		
Client : EUROFINS EATON	ANALYTICAL	Date	Collected:	03/14/22 09:35
Project : 993239			e Received:	
Batch No. : 22C222		Date	Extracted:	03/19/22 02:25
Sample ID : 202203160766				03/19/22 02:25
Lab Samp ID: C222-02		Diluti	ion Factor:	1
Lab File ID: AC18028A			Matrix:	
Ext Btch ID: 22VGH7C06		0	% Moisture:	NA
Calib. Ref.: AC18016A		Inst	trument ID:	H7
	RESULTS	RL	MDL	
PARAMETERS	(mg/l)	(mg/L)	(mg/L)	
		0.020	0.040	-
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0398	0.0400	99	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 : 5mlFinal Volume : 5mlPrepared by : SCervaAnalyzed by : SCerva

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# **QC SUMMARIES**

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

	=================			
Client : EUROFINS EATON	ANALYTICAL	Date	Collected:	03/18/22 20:07
Project : 993239		Date	Received:	03/18/22
Batch No. : 22C222		Date	Extracted:	03/18/22 20:07
Sample ID : MBLK1W		Date	Analyzed:	03/18/22 20:07
Lab Samp ID: VGH7C06B		Diluti	on Factor:	1
Lab File ID: AC18017A			Matrix:	WATER
Ext Btch ID: 22VGH7C06		2	6 Moisture:	NA
Calib. Ref.: AC18016A		Inst	rument ID:	H7
			=======================================	
	RESULTS	RL	MDL	
PARAMETERS	(mg/l)	(mg/L)	(mg/L)	
				-
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
	0.0709	0.0/00	100	
Bromofluorobenzene	0.0398	0.0400	100	60-140

Notes:

Parameter H-C Range Gasoline C6-C10

Reported ND at RL quantitated per pattern recognition.

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

REPORT ID: 22C222

CLIENT	: EUROFINS EATON ANALYTICAL
PROJECT	: 993239
BATCH NO.	: 22C222
METHOD	: 5030B/8015B

MATRIX : WATER DILUTION FACTOR: 1 SAMPLE ID : MBLK1W LAB SAMPLE ID : VGH7C06B LAB FILE ID : AC18017A DATE PREPARED : 03/18/22 20:07 DATE ANALYZED : 03/18/22 20:07 PREP BATCH : 22VGH7C06 CALIBRATION REF: AC18016A			1 LCS1W VGH7CO6L AC18018A 03/18/22 20:41 03/18/22 20:41 22VGH7CO6 AC18016A			% MOISTURE:NA 1 LCD1W VGH7C06C AC18019A 03/18/22 21:16 03/18/22 21:16 22VGH7C06 AC18016A				
ACCESSION:	I DA		ACTOUTOA			AC 100 10A				
PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND	0.500	0.525		0.500	0.511	102	3	60-130	30
SURROGATE PARAMETER		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)		QCLimit (%)	
Bromofluorobenzene		0.0400	0.0478	120	0.0400	0.0472	118		70-130	

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

CLIENT	: EUROFINS EATON ANALYTICAL
PROJECT	: 993222
BATCH NO.	: 22C219
METHOD	: 5030B/8015B

SURROGATE PARAMETER										
		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Gasoline	ND	0.500	0.503	101	0.500	0.520	104	3	50-130	30
PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
ACCESSION:										
DILUTION FACTOR: 1 SAMPLE ID : 2022037 LAB SAMPLE ID : C219-07 LAB FILE ID : AC18020 DATE PREPARED : 03/18/2 DATE ANALYZED : 03/18/2 PREP BATCH : 22VGH70 CALIBRATION REF: AC18010	1 22 21:50 22 21:50 22 21:50 7006		1 202203160673MS C219-01M AC18021A 03/18/22 22:24 03/18/22 22:24 22VGH7C06 AC18016A			<pre>% MOISTURE:NA 1 202203160673MSD C219-01s AC18022A 03/18/22 22:59 03/18/22 22:59 22VGH7C06 AC18016A</pre>				

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

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LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

993239

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22C222

REPORT ID: 22C222

#### CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 993239

SDG : 22C222

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

One(1) water sample was received on 03/18/22 to be analyzed for Total Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B and project specific requirements.

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

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. DSC029WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of LCS/LCD was analyzed. DSC029WL/DSC029WC were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample Matrix spike sample was prepared and analyzed at a frequency required by the project. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22C219-01M/22C219-01S. Refer to Matrix QC summary form for details.

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

Sample Analysis

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

	DROCARBONS BY EXTRACTION
	ВΥ
A CHRONICLE	HYDROCARBONS
ΓÞ	PETROLEUM
	TOTAL

Client Project	lient : EUROFINS EATON ANALYTICAL roject : 993239	NALYTICAL							SDG NO. : 22C Instrument ID : D5	t ID : D5
					WATER	ER				
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
					8 3 1 1 1 1 1 1 1 1 1 1	]			* * * * * * * * * * * * * * * * * * * *	
MBLK1W		D SC029WB	٢	NA	03/22/2218:29	03/21/2210:15	LC21100A	LC21098A	22DSC029W Method Blank	thod Blank
I CS1W		DSC029WL	-	NA	03/22/2218:47	03/21/2210:15	LC21101A	LC21098A	22DSC029W La	22DSC029W Lab Control Sample (LCS)
LCD 1W		DSC029WC	ſ	NA	03/22/2219:05	03/21/2210:15	LC21102A	LC21098A	22DSC029W LCS Duplicate	S Duplicate
202203160765	65	c222-01	ſ	NA	03/22/2220:56	03/21/2210:15	LC21108A	LC21098A	22DSCO29W Field Sample	eld Sample

FN - Filename % Moist - Percent Moisture

**REPORT ID: 22C222** 

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# SAMPLE RESULTS

REPORT ID: 22C222

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

	============	============	=======================================	=============
Client : EUROFINS EATON	ANALYTICAL	Date	Collected:	03/14/22 09:35
Project : 993239		Date	e Received:	03/18/22
Batch No. : 22C222		Date	Extracted:	03/21/22 10:15
Sample ID : 202203160765		Date	e Analyzed:	03/22/22 20:56
Lab Samp ID: 22C222-01		Diluti	ion Factor:	1
Lab File ID: LC21108A			Matrix:	WATER
Ext Btch ID: 22DSC029W		2	6 Moisture:	NA
Calib. Ref.: LC21098A		Inst	trument ID:	D5
	, , , , , , , , , , , , , , , , , , ,		**********	
	RESULTS	RL	MDL	
PARAMETERS	(mg/L)	(mg/L)	(mg/L)	_
Diesel	ND	0.025	0.013	
Motor Oil	ND	0.051	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.460	0,510	90	60-130
Hexacosane	0.145	0.127	114	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

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# **QC SUMMARIES**

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

Client : EUROFINS EATON	ANALYTICAL	Date	Collected:	03/21/22 10:15	
Project : 993239		Date	e Received:	03/21/22	
Batch No. : 22C222		Date	Extracted:	03/21/22 10:15	
Sample ID : MBLK1W		Date	Analyzed:	03/22/22 18:29	
Lab Samp ID: DSC029WB		Diluti	ion Factor:	1	
Lab File ID: LC21100A			Matrix:	WATER	
Ext Btch ID: 22DSC029W		9	& Moisture:	NA	
Calib. Ref.: LC21098A		Inst	rument ID:	D5	
			===============		
	RESULTS	RL	MDL		
PARAMETERS	(mg/L)	(mg/L)	(mg/L)		
				-	
Diesel	ND	0.025	0.012		
Motor Oil	ND	0.050	0.025		
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT	
Bromobenzene	0.403	0.500	81	60-130	
Hexacosane	0.137	0.125	109	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

REPORT ID: 22C222

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Bromobenzene Hexacosane		0.500	0.450 0.143	90 114	0.500 0.125	0.421 0.146	84 117		60-130 60-130	
SURROGATE PARAMETERS		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)		QCLimit (%)	
Diesel	ND	2.50	2.48	99	2.50	2.41	96	3	50-130	30
PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)		LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
ACCESSION:										
-	W 29WB 100A 1/22 10:15 2/22 18:29 C029W	1 LCS1W DSC029WL LC21101A 03/21/22 03/22/22 22DSC0290 LC21098A	18:47 W		% MOISTU 1 LCD1W DSC029WC LC21102A 03/21/22 03/22/22 22DSC029H LC21098A	10:15 19:05				
CLIENT : EURO PROJECT : 9932 BATCH NO. : 22C2 METHOD : 35200	22	======================================		======	=======================================					

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

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PROJECT : 9932 BATCH NO. : 22C2		LYTICAL								
LAB SAMPLE ID : 22C2 LAB FILE ID : LC21 DATE PREPARED : 03/2 DATE ANALYZED : 03/2	D3160673 19-01 103A 1/22 10:15 2/22 19:24	220 LC2 037 037	203160673Ms 219-01M 1104A 21/22 10:15 22/22 19:42 05020U			1 2022 2202 LC21 03/2 03/2	01STURE:NA 203160673M 219-01S 105A 21/22 10:11 22/22 20:00	5		
PREP BATCH : 22DS CALIBRATION REF: LC21			9SC029W 21098A				CO29W 098A			
ACCESSION: PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRoc (%)		MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.78	3.04		2.65	2.77	105	9	50-130	30
SURROGATE PARAMETERS		SpikeAmt (mg/L)	MSResult (mg/L)	(%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	======	QCLimit (%)	
Bromobenzene Hexacosane		0.555 0.139	0.539 0.159	97 115	0.530 0.132	0.498 0.138	94 104		60-130 60-130	

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

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