

750 Royal Oaks Drive, Suite 100 Monrovia, California 91016-3629 Tel: (626) 386-1100

Fax: (866) 988-3757 1 800 566 LABS (1 800 566 5227)



Laboratory Report

for

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

Fax: 808-550-5018

Date of Issue
02/08/2022

Lebel Cank
EUROPINS ATON
ANALYTICAL, LLC

DEB: Debbie L Frank

Project Manager



Report: 981951 Project: RED-HILL

Group: Red-Hill Expanded List (Albuquerque+)

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



STATE CERTIFICATION LIST

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

^{*} NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2917 Accredited Method List

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

https://www.eurofinsus.com/Eaton

Test(s) Method(s) Enterococci Enterolert SM 9221 B.1 (Enumeration) Fecal Coliform (P/A and Enumeration) Legionella Enterococci Heterotrophic Bacteria Enguneration) SM 9230 B X X X X X X X X X X X X X	
Enterococci	er
Escherichia coli (Enumeration) Fecal Coliform (P/A and Enumeration) Fecal Streptococci and Enterococci Heterotrophic Bacteria Pseudomonas aeruginosa Total Coliform (P/A and Enumeration) Total Coliform, Total Coliform with Chlorine Present Total Coliform/Ec, SM 9221 x x x x x x x x x x x x x x x x x x	
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Idexx Colilert 18, Colisure) Total Microcystins and Nodularins EPA 546 X	
Total Microcystins and Nodularins EPA 546 X	
Nodularins EPA 546 X	
reast and word Sivi 9610 X	
1,2,3-Trichloropropane CA SRL 524M-	
(TCP) at 5 PPT TCP	
1,4-Dioxane EPA 522 x	
2.3.7.8-TCDD Modified EPA X	
2,3,7,8-TCDD 1613 B X	
Acrylamide †LCMS 2440) x	
Alkalinity SM 2320B x x	
EPA 350.1,	
Ammonia SM 4500-NH3 x	
Н	
Asbestos EPA 100.2 x x	
Bicarbonate Alkalinity as SM 2330 B	
HCO3 ^ ^	
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	
Palin Test	
Chloring Diovide Chlordio X Plus,	
Chlorine Dioxide SM 4500-CLO2 x	
D D	
Chlorine, Free, Combined,	
5 N 4500-G G	
Total Residual, x	
Chloramines	
Color SM2120B x	
EPA 120.1,	
Conductivity SM 2510B x x	
Corrosivity (Langelier	
Index) Carbonate as CO3	
Hydroxide as OH SM 2330 B x	
Calculated	
Cyanide (Amenable) SM 4500-CN x x	
· · · · · · · · · · · · · · · · · · ·	
Cyanide (Free) SM 4500CN F x x	
Cyanide (Total) EPA 335.4 x x	
Cyanogen Chloride + 335 Mod	
(Screen) (WC-24467) ^	
Diquat and Paraquat EPA 549.2 x	
DBP and HAA SM 6251 B x	
Dissolved Organic Carbon SM 5310 C x	
Dissolved Oxygen SM 4500-O G x	
EDB/DCBP/TCP EPA 504.1 x	
EDB/DBCP and EPA 551.1 x	
Disinfection Byproducts	
EDTA and NTA + WC-2454 x	
EDA 5/18 1	
Endothall EPA 548.1,	
Endothall	
Endothall	
Endothall	
Endothall	

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 #: 981951 Project: RED-HILL

Sample Group: Red-Hill Expanded List

(Albuquerque+)

Project Manager: Debbie L Frank

Phone: (626) 386-1149

PO #: C20525101 exp 05312023

The following samples were received from you on **January 20, 2022** at **1440**. 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
202201200773	AIEA WELLS PUMP 2 (331-004-V	VL103)		01/19/2022 0900
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Jef Fuel 8	TPH 8015 Diesel and Motor Oil	TPH 8015 Jet Fuel 5	
202201200774	TRAVEL BLANK::AIEA WELLS PU	JMP 2 (331-004-WL103)		01/19/2022 0900
	(SUB)Gas Fraction Hydrocarbons			
202201200775	HALAWA WELLS 2 (331-024-WL0	64)		01/19/2022 0835
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Jef Fuel 8	TPH 8015 Diesel and Motor Oil	TPH 8015 Jet Fuel 5	
202201200776	TRAVEL BLANK::HALAWAY WEL	LS PUMP 2		01/19/2022 0835
	(SUB)Gas Fraction Hydrocarbons			
202201240075	RUSH			01/19/2022 08:35
	RUSH			

Test Description



CHAIN OF CUSTODY RECORD

SAMPLES CHECKED AGAINST COC BY:

(check for yes)

SAMPLES REC'D DAY OF COLLECTION?

No Ice

Wet Ice

Thawed

°C (Compliance: 4 ± 2 °C)
°C (Compliance: 4 ± 2 °C)
Partially Frozen Th

SAMPLES LOGGED IN BY:

ΓΥ:	
E ONL)	
USE	
EATON ANALYTICAL USE	
ANAL	
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ytical	
Anal	
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750 Royal Oaks Drive, Suite 100

Monrovia, CA 91016-3629

Phone: 626 386 1100

Fax: 626 386 1101

800 566 LABS (800 566 5227)

CONDITION OF BLUE ICE: Frozen

e Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O WW = Waste Water SW = Storm Water SL = Sludge	COMPANY/AGEN COMPANY/AGEN TAT requested: r SAMPLE S	TO BE COMPLETED BY SAMPLER: COMPANY/AGENCY NAME: BWS HONC EEA CLIENT CODE: Honolulu TAT requested: rush by adv not SA AREA TATA TAMPA	ONOLULU COC ID: notice only SAMPLE ID lawa Wells pump 2	Red Hill SAMPLE GROUP: S	АТАО ОБЕГО БАТАО ОБЕГО В АТАО	Checomposition / (FedEx// UPS / DHL / Area Face) COMPLIANCE SAMPLES - Requires state forms - Requires state form	Compliance Top Line Other	Check for yes CompLIANCE SAMPLES x	or yes) DES, FDA Sample) Sample IER INTS
RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge									
	* MATE	RIX TYPES:		CFW = Chlor(am)inated Fini FW = Other Finished Water	shed Water	SEAW = Sea Water WW = Waste Water		ge	se Identify
			Now of Course Ages						

Rage 5 of 50 pages

1 OF

PAGE

22-02-

-19-2022

Honolulu Board of Water Supply Honolulu Board of Water Supply

Derek Dotson Derek Dotson

RELINQUISHED BY:

RECEIVED BY: RELINQUISHED BY

+ YCICK(CD) + 791 - 2472 -	SIGNATURE SAMPLES CHECKÉD AGAINST COC BY:	RECEIVED BY. SIGNATURE SIGNATURE SIGNATURE STOREGE STREET,	Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors):	7) Headspace: Headspace Documentation (use addiescent Mone/c6 sempt from headspace concerns: Methods 515.4, HAA(6251,552), 50: Exempt from headspace concerns: Methods 515.4, HAA(6251,552), 50: Exempt Mone/c6 semm Test Samp ID Bottle # None/c6 semm Test Sam	6) Chlorine check. Manufacturer: Sansafe. Lot No.:	5) pH Check, Manufacturer:L	4 Dioxin (1613 or 2,3,7,8 TCDD): must be between		If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the face of each confirm of each confir	3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)	2) Microbiology, Distribution: <10°C, not frozen (Compliance Acceptance Criteria: 1) Chemistry: >0, ≤6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)	METHOD OF SHIPMENT: Pick-Up / Walk-In / fedEx/ UPS / DHL / Area Fast / Top Line / Other:	TYPE OF ICE: Real Synthetic No Ice	IR Gun ID = 63 (Observation= 1.2	EEA Folder Number: Q8(95)	្នើទី eurofins Eaton Analytical INT
55tb 2th2 21bt - 811tb	PRINT NAME COMPANYITITE USAGE Eurofins Ealon Analytical	lytical /- (A and Radon No Samples with Headspace: Idspace: Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles) Exempt from headspace concerns: Methods 515.4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients: None/<6 >6mm Test Samp ID Bottle # None/<6 >6mm	Expiration Da	Lot Number:pH strip type: 0 - 14 or Expiration Date	Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)	3 = (Observation=	1 = (Observation=C) (Corr.FactorC) (Final =C) 2 = (Observation=C) (Corr.Factor	d after 2 hours of sample collection)	2) Microbiology, Distribution: < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, withi	eived after 24 hrs of sample collection))/ UPS / DHL / Area Fast / Top Line / Other:	rtially Frozen	(C) (Corr.Factor (C) (Final = (C))	SAMPLE IEMP RECEIVED: Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not. SAMPLES REC'D DAY OF COLLECTION? Yes / No	NTERNAL CHAIN OF CUSTODY RECORD
759 -65 Page_of_	THE	~22 /	TIME	Ils, International clients: Samp ID Bottle # None/<6 >6mm Test		n DateResults:		'C) (Final ='C)	'C) (Final - 'C)		ction, within 8 hours)			Thawed N/A		proceed with analysis or not.	RD .



Laboratory Comments

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

1 800 566 LABS (1 800 566 5227)

Report: 981951 Project: RED-HILL

Group: Red-Hill Expanded List

(Albuquerque+)

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

Folder Comments

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



Laboratory Hits

Report: 981951 Project: RED-HILL

Group: Red-Hill Expanded List

(Albuquerque+)

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

Honolulu Board of Water Supply

Erwin Kawata 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 96843 Samples Received on: 01/20/2022 1440

Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL





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

1 800 566 LABS (1 800 566 5227)

Report: 981951 Project: RED-HILL

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(Albuquerque+)

Honolulu Board of Water Supply

Erwin Kawata 630 South Beretania Street Public Service Bldg." Room 308 Honolulu, HI 96843 Samples Received on: 01/20/2022 1440

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
AIEA WE	LLS PUMP	2 (331-004	-WL103) (20220 ⁻	1200773)		Sam	pled on 01/19	/2022 090	0
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	arbons				
01/21/22	01/21/22 16:39			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
		SW 8015B	- TPH 8015 Dies	el and Motor	Oil				
)1/24/22	01/25/22 15:46			(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
1/24/22	01/25/22 15:46			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.048	1
		EPA 8015	- Jet Fuel 5 C8-C	18					
1/24/22	01/25/22 15:46			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.048	1
		EPA 8015	- Jet Fuel 8 C8-C						
(01/25/22 15:46			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.048	1
RAVEL	BLANK::AI	EA WELLS	PUMP 2 (331-00	04-WL103) (20	02201200774)	Sam	pled on 01/19	/2022 090	0
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	arbons				
01/21/22	01/21/22 17:15			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
HALAWA	A WELLS 2	(331-024-WI	L064) (20220120	<u>0775)</u>		Sam	pled on 01/19	/2022 083	5
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	arbons				
)1/21/22 (01/21/22 17:52			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
		SW 8015B	- TPH 8015 Dies	el and Motor	Oil				
1/25/22	01/25/22 16:40			(SW 8015B)	TPH Diesel	ND	mg/L	0.023	1
1/25/22	01/25/22 16:40			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.047	1
		EPA 8015	- Jet Fuel 5 C8-C	18					
)1/24/22	01/25/22 16:40			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.047	1
		EPA 8015	- Jet Fuel 8 C8-C	18					
(01/25/22 16:40			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.047	1
<u> </u>	BLANK::HA	ALAWAY W	ELLS PUMP 2 (2	202201200776	<u>s)</u>	Sam	pled on 01/19	/2022 083	5
		SW 8015B	- (SUB)Gas Frac	ction Hydroca	arbons				
01/21/22	01/21/22 18:28			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1



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

Date: 02-01-2022

EMAX Batch No.: 22A208

Attn: Jackie Contreras

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

Subject: Laboratory Report

Project: 981951

Enclosed is the Laboratory report for samples received on 01/21/22. The data reported relate only to samples listed below :

Sample ID	Control # Col Date	Matrix	Analysis
202201200773	A208-01 01/19/22	WATER	TPH GASOLINE
			TPH
202201200774	A208-02 01/19/22	WATER	TPH GASOLINE
202201200775	A208-03 01/19/22	WATER	TPH GASOLINE
			TPH
202201200776	A208-04 01/19/22	WATER	TPH GASOLINE
202201200773MS	A208-01M 01/19/22	WATER	TPH JP-5
202201200773MSD	A208-01S 01/19/22	WATER	TPH JP-5
202201200775MS	A208-03M 01/19/22	WATER	TPH JP-8
202201200775MSD	A208-03S 01/19/22	WATER	TPH JP-8

The results are summarized on the following pages.

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

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

*REPORTING REQUIRMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers! Report & Invoice must have the Folder# 981951 Job # 1000014

Estan Analytica

eurofins.

EMAX Laboratories, Inc.

Ship To:

3051 Fujita St.

Torrance, CA 90505

Report all quality control data according to Method. Include dates analyzed. Date extracted (if extracted) and Method reference on the report. Results must have Complete data & QC with Approval Signature.

Reports: Jackie Contreras Sub-Contracting Administrator

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

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

Samples from: HAWAII

3 day rush

Fax: 310-618-0818 Report Due: 01/25/2022 Phone: 310-618-8889 Folder #: 981951 Sample Date & Time Matrix 01/19/22 0900 DW Sample Point ID: Facility ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072) Client Sample ID for reference on Sample Event: 202201200773 Sample type: Sample ID

ST

PWSID

Clip Code

Static ID:

Analysis Requested Prep Method

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

Sample Date & Time Matrix 01/19/22 0900 DW Facility ID: Client Sample ID for reference on! TRAVEL BLANK::AIEA GULCH WELLS PUMP 2 -331-202-TP072 Sample Event: 202201200774 Sample type: Sample ID

ST

PWSID

Clip Code

Static ID:

Sample Point ID:

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

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn. Jackie Contreras

Date ((21/22_Time 11:2.8

Date

Sample Control

Relinguished by:

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Date Date

Sample Control

Relinquished by:

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Page 11 of 50 pages

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Page 4 of 5

Page 2 of 41

REPORT ID: 22A208

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JLS

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

An Acknowledgement of Receipt is requested to attn. Jackie Contreras NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

Date (

Sample Control

Relinguished by:

Received by:

Date 1/21/22 Time (1:28 Time Time

Date Date

Sample Control

Page 5 of 5 PEPORT ID: $22A208^{50}$ Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

Reference: Addendum SM02.11.1

Form: SM02F1

Type of De	alivary	Airbill / Tracki	ing Number	ECN 22 A 208	
	☐ Others	Anomi / Hack	ang Mannoci	Recipient Alan Ramo	I
□ EMAX Courier				Date 01/21/22	Time 11:28
					11.20
COC INSPECTION Client Name	Client PM/FC	☐ Sampler Name	Sampling Date/Time	Z Sample ID	TA Marin
Address	Tel # / Fax #	☐ Courier Signature	Analysis Required	• •	Matrix
1 *		-	1	☐ Preservative (if any)	TAT
Safety Issues (if any)	☐ High concentrations exp	pected	☐ Rad screening required		•
Note:			*****		
PACKAGING INSPECTION					
Container	⊅ Cooler	□ Box	☐ Other		
Condition	☐ Custody Seal	☐ Intact	☐ Damaged		
Packaging	Bubble Pack	☐ Styrofoam	□ Popcorn ·	☐ Sufficient	
Temperatures	Cooler 1 1. 6 °C	□ Cooler 2°C	☐ Cooler 3°C	Cooler 4°C	☐ Cooler 5°C
(Cool, ≤6 °C but not frozen)	Cooler 6°C	☐ Cooler 7°C	☐ Cooler 8 °C	□ Cooler 9 °C	
Thermometer:	1-5/N-210191066 a1	Cooler 7 °C 1/1/4 (B-)S/N 210271396	C-S/N 21027 1399	D - S/N	
Comments: Temperature is ou	t of range. PM was inform	ed IMMEDIATELY.			
Note:					
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DISCREPANCIES	LabSampleContainerID	Code ClientSample La	bel ID / Information	^ .4	A - 4:
LabSampleID				Corrective.	Action
1,3	4-7, 13-16	02/010 Jet Fuel 8 is n	ot malcatea on	VCO	
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☐ pH holding time requirement	for water samples is 15 m	ins. Water samples for pH analy	sis are received beyond 15 r	ninutes from sampling time.	NS 1124122
NOTES (ORCEDA) (ELONG				. •	, , ,
NOTES/OBSERVATIONS:					

LEGEND:		•		☐ Continue to next pag	e.
Code Description-Sample Mana	agement	Code Description-Sample Mana	gement	Code Description-Sample Manag	gement
D1 Analysis is not indicated in		D13 Out of Holding Time		R1 Proceed as indicated in COC	□ Label
(D2) Analysis mismatch COC vs	label	D14 Bubble is >6mm		R2 Refer to attached instruction	
D3 Sample ID mismatch COC		D15 No trip blank in cooler		R3 Cancel the analysis	
D4 Sample ID is not indicated i	in	D16 Preservation not indicated in	n	R4 Use vial with smallest bubble f	irst
D5 Container -[improper] [leak		D17 Preservation mismatch COC	***************************************	R5 Log-in with latest sampling dat	
D6 Date/Time is not indicated it		D18 Insufficient chemical preser		R6 Adjust pH as necessary	
(D7) Date Time mismatch COC		D19 Insufficient Sample	: =	R7 Filter and preferved as necessary	and h
D8 Sample listed in COC is not		D20 No filtration info for dissolv	ed analysis	R8 Manuel as hecessal	1 X 10 m X
D9 Sample received is not listed		D21 No sample for moisture determ	=	R9 R9	
(D10) No initial/date on correction		D21 No sample for moisture determ	madVII	R10	
	· · · · · ·	D23			
D11 Container count mismatch C	· ^.			R11	
D12 Container size mismatch CC	JOCOLYNO //)D24	1/ 1	R12	
REVIEWS: Sample Labeling		(I_{Δ}) SRF	1/01/26.5	. ***	145
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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: 22A208

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

981951

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

SDG#: 22A208

REPORT ID: 22A208

Client: EUROFINS EATON ANALYTICAL

Project: 981951

SDG : 22A208

METHOD 5030B/8015B

TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

A total of four(4) water samples were received on 01/21/22 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. VG39A12B - 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. VG39A12L/VG39A12C 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 A207-01M/A207-01S. 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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

	: FURDFINS EATON ANALYTICAL							SDG NO.	22A208
Project : 981951								Instrument ID :	: GCT039
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				WAT	WATER				
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	
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MBLK1W	VG39A12B	-	¥.	01/21/2205:02	01/21/2205:02	EA20032A	EA20023A	22VG39A12 Method Blank	Blank
LCS1W	VG39A12L	-	Ϋ́	01/21/2205:39	01/21/2205:39	EA20033A	EA20023A	22VG39A12 Lab Control Sample (LCS)	trol Sample (LCS
LCD1W	VG39A12C	-	NA	01/21/2206:15	01/21/2206:15	EA20034A	EA20023A	22VG39A12 LCS Duplicate	licate
202201200773	A208-01	-	Ν	01/21/2216:39	01/21/2216:39	EA20051A	EA20044A	22VG39A12 Field Sample	ample
202201200774	A208-02	_	AN	01/21/2217:15	01/21/2217:15	EA20052A	EA20044A	22VG39A12 Field Sample	ample
202201200775	A208-03	-	W	01/21/2217:52	01/21/2217:52	EA20053A	EA20044A	22VG39A12 Field Sample	ample
202201200776	A208-04	_	NA	01/21/2218:28	01/21/2218:28	EA20054A	EA20044A	22VG39A12 Field Sample	ample

FN - Filename % Moist - Percent Moisture

SAMPLE RESULTS

: EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 09:00 Client

Project : 981951 Date Received: 01/21/22

Batch No. : 22A208 Date Extracted: 01/21/22 16:39 Sample ID : 202201200773 Date Analyzed: 01/21/22 16:39

Lab Samp ID: A208-01 Dilution Factor: 1 Lab File ID: EA20051A Matrix: WATER Ext Btch ID: 22VG39A12 % Moisture: NA Calib. Ref.: EA20044A Instrument ID: 39

RESULTS MDL RI RESULTS RL
(mg/L) (mg/L) (mg/L) PARAMETERS GASOLINE ND 0.020 0.010 SURROGATE PARAMETERS RESULT SPK_AMT %RECOVERY QC LIMIT -

Bromofluorobenzene 0.0332 0.0400 60-140

Notes:

Parameter H-C Range Gasoline C6-C10

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 5ml Final Volume: 5ml

Prepared by : SCerva Analyzed by : SCerva

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 09:00

Project : 981951 Date Received: 01/21/22

Batch No. : 22A208 Date Extracted: 01/21/22 17:15
Sample ID : 202201200774 Date Analyzed: 01/21/22 17:15

Lab Samp ID: A208-02 Dilution Factor: 1
Lab File ID: EA20052A Matrix: WATER
Ext Btch ID: 22VG39A12 % Moisture: NA
Calib. Ref.: EA20044A Instrument ID: 39

 PARAMETERS
 RESULTS (mg/L) (mg/L) (mg/L)
 MDL (mg/L) (mg/L)

 GASOLINE
 ND 0.020 0.010

SURROGATE PARAMETERS RESULT SPK_AMT %RECOVERY QC LIMIT

Bromofluorobenzene 0.0332 0.0400 83 60-140

Notes:

Parameter H-C Range Gasoline C6-C10

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

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

: EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 08:35 : 981951 Date Received: 01/21/22 Client

Project

Batch No. : 22A208 Date Extracted: 01/21/22 17:52 Sample ID : 202201200775 Date Analyzed: 01/21/22 17:52

Lab Samp ID: A208-03 Dilution Factor: 1 Lab File ID: EA20053A Matrix: WATER Ext Btch ID: 22VG39A12 % Moisture: NA Calib. Ref.: EA20044A Instrument ID: 39

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

SURROGATE PARAMETERS SPK_AMT %RECOVERY RESULT QC LIMIT ______ Bromofluorobenzene 0.0330 0.0400 83 60-140

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 5ml Final Volume: 5ml

Prepared by : SCerva Analyzed by : SCerva

: EUROFINS EATON ANALYTICAL : 981951 Date Collected: 01/19/22 08:35 Client

Project Date Received: 01/21/22

Batch No. : 22A208 Date Extracted: 01/21/22 18:28 Sample ID : 202201200776 Date Analyzed: 01/21/22 18:28

Lab Samp ID: A208-04 Dilution Factor: 1 Lab File ID: EA20054A Matrix: WATER Ext Btch ID: 22VG39A12 % Moisture: NA Calib. Ref.: EA20044A Instrument ID: 39

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

SURROGATE PARAMETERS RESULT SPK AMT %RECOVERY QC LIMIT Bromofluorobenzene 0.0331 0.0400 83 60-140

Notes:

H-C Range Parameter Gasoline C6-C10

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

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

QC SUMMARIES

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/21/22 05:02

: 981951 Project Date Received: 01/21/22 Batch No. : 22A208 Date Extracted: 01/21/22 05:02

Sample ID : MBLK1W Date Analyzed: 01/21/22 05:02 Lab Samp ID: VG39A12B Dilution Factor: 1 Lab File ID: EA20032A Matrix: WATER

Ext Btch ID: 22VG39A12 % Moisture: NA Calib. Ref.: EA20023A Instrument ID: 39

RESULTS MDL **PARAMETERS** (mg/L) (mg/L) (mg/L)0.010 GASOLINE 0.020 SURROGATE PARAMETERS RESULT SPK AMT %RECOVERY QC LIMIT

0.0331 0.0400 83 60-140 Bromofluorobenzene

Notes:

H-C Range Parameter Gasoline C6-C10

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Final Volume : 5ml Sample Amount : 5ml

Prepared by : SCerva Analyzed by : SCerva

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 981951 : 22A208

METHOD

: 5030B/8015B

MATRIX : WATER

% MOISTURE:NA

DILUTION FACTOR: 1 SAMPLE ID

: MBLK1W

LCS1W

LAB FILE ID

LAB SAMPLE ID : VG39A12B : EA20032A

VG39A12L EA20033A LCD1W VG39A12C EA20034A

DATE PREPARED : 01/21/22 05:02

DATE ANALYZED : 01/21/22 05:02

01/21/22 05:39 01/21/22 05:39 01/21/22 06:15 01/21/22 06:15

PREP BATCH CALIBRATION REF: EA20023A

: 22VG39A12

22VG39A12 EA20023A

22VG39A12 EA20023A

ACCESSION:

MBResult SpikeAmt LCSResult LCSRec SpikeAmt LCDResult LCDRec QCLimit MaxRPD **PARAMETERS** (mg/L) (mg/L) (mg/L) (%) (mg/L) (mg/L) (%) (%) (%) ND 0.500 0.528 106 0.500 0.497 60-130 30 Gasoline

SURROGATE PARAMETER	SpikeAmt	LCSResult	LCSRec	SpikeAmt	LCDResult	LCDRec	QCLimit
	(mg/L)	(mg/L)	(%)	(mg/L)	(mg/L)	(%)	(%)
Bromofluorobenzene	0.0400	0.0454	114	0.0400	0.0435	109	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 : 981948
BATCH NO. : 22A207
METHOD : 5030B/8015B

MATRIX : WATER DILUTION FACTOR: 1

% MOISTURE:NA

SAMPLE ID : 202201200765

202201200765MS

202201200765MSD

LAB SAMPLE ID : A207-01

A207-01M

A207-01S

LAB FILE ID : EA20047A
DATE PREPARED : 01/21/22 14:12

EA20048A 01/21/22 14:48 EA20049A

01/21/22 14:48

01/21/22 15:25

DATE ANALYZED : 01/21/22 14:12 PREP BATCH : 22VG39A12

01/21/22 15:25

22VG39A12

22VG39A12

CALIBRATION REF: EA20044A

EA20044A

EA20044A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND	0.500	0.493	99	0.500	0.485	97	2	50-130	30
=======================================	=======================================	========	========	=====	========	=======		======		=======
SURROGATE PARAMETER		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromofluorobenzene		0.0400	0.0428	107	0.0400	0.0413	103		60-140	

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

981951

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22A208

Client: EUROFINS EATON ANALYTICAL

Project: 981951

SDG : 22A208

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 01/21/22 to be analyzed for Total Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/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. DSA017WB - 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 DSA017WL. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22A207-01M/22A207-01S. 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

Client: EUROFINS EATON ANALYTICAL

Project: 981951

SDG : 22A208

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 01/21/22 to be analyzed for Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/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. DSA017WB - 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 J5A017WL. Refer to LCS summary form for details.

Matrix QC Sample

Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one (1) set of MS/MSD was analyzed. JP5 was within MS QC limits in 22A208-01M/22A208-01S. 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

Client : EUROFINS EATON ANALYTICAL

Project: 981951

SDG : 22A208

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 01/21/22 to be analyzed for Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/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. DSA017WB - 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 J8A017WL. 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. JP8 was within MS QC limits in 22A208-03M/22A208-03S. 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

LAB CHRONICLE TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

Droint . 081051	client : EUROFINS EATON ANALYTICAL							SDG NO.	: 22A208
								Instrume	instrument 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	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		
MBLK1W	DSA017WB	_	Ν	01/25/2213:41	01/24/2211:15	LA25011A	LA25004A	22DSA0174	22DSA017W Method Blank
CSTW	DSA017WL	_	N	01/25/2213:59	01/24/2211:15	LA25012A	LA25004A	22DSA017k	22DSA017W Lab Control Sample (LCS)
202201200773	A208-01	_	ΑN	01/25/2215:46	01/24/2211:15	LA25018A	LA25004A	22DSA0174	22DSA017W Field Sample
202201200775	A208-03	-	ΑN	01/25/2216:40	01/24/2211:15	LA25021A	LA25004A	22DSA0174	22DSA017W Field Sample

LAB CHRONICLE PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANAL Project : 981951	: EUROFINS EATON ANALYTICAL : 981951							SDG NO. : 22A Instrument ID : D5	: 22A208 : D5
				======================================	ER				
Client	Laboratory	Dilution	%	Analysis	Extraction	Sample	Calibration Prep.	in 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	: : : : : : : : : : : : : : : : : : : :		
MBLK1W	DSA017WB	_	N A	01/25/2213:41	01/24/2211:15	LA25011A	LA25005A	22DSA017W Method Blank	od Blank
LCS1W	J5A017WL	_	AN	01/25/2214:17	01/24/2211:15	LA25013A	LA25005A	22DSA017W Lab (22DSA017W Lab Control Sample (LCS)
202201200773	A208-01	-	Ν	01/25/2215:46	01/24/2211:15	LA25018A	LA25005A	22DSA017W Field Sample	1 Sample
202201200773MS	A208-01M	-	NA	01/25/2216:04	01/24/2211:15	LA25019A	LA25005A	22DSA017W Matr	22DSA017W Matrix Spike Sample (MS)
202201200773MSD	A208-01S	_	NA	01/25/2216:22	01/24/2211:15	LA25020A	LA25005A	22DSA017W MS Duplicate (MSD)	uplicate (MSD)
202201200775	A208-03	-	NA	01/25/2216:40	01/24/2211:15	LA25021A	LA25005A	22DSA017W Field Sample	d Sample

FN - Filename % Moist - Percent Moisture

LAB CHRONICLE PETROLEUM HYDROCARBONS BY EXTRACTION

Client · FURDEINS FATON ANALYTICAL	W ANALYTICAL		 					SDG NO. : 2	: 22A208
								Instrument ID : D5	10
ij							## ## ## ## ## ## ## ## ## ## ## ## ##		
				WATER	ER			•	
Client	Laboratory Dilution	Dilution	%	Analysis	Extraction	Sample	Calibraticn 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 6 6 6 8 8 8 8 8 8 8 8 8
MBI K 112	DSA017WB	-	NA	01/25/2213:41	01/24/2211:15	LA25011A	LA25006A	22DSA017W Method Blank	ank
I CSTW	J8A017WL	-	NA	01/25/2214:35	01/24/2211:15	LA25014A	LA25006A	22DSA017W Lab Control Sample (LCS)	ol Sample (LCS)
202201200773	A208-01	-	NA	01/25/2215:46	01/24/2211:15	LA25018A	LA25006A	22DSA017W Field Sample	ple
202201200775	A208-03	_	۸	01/25/2216:40	01/24/2211:15	LA25021A	LA25006A	22DSA017W Field Sample	ple
202201200775MS	A208-03M	_	AN	01/25/2216:57	01/24/2211:15	LA25022A	LA25006A	22DSA017W Matrix Spike Sample (MS)	ike Sample (MS)
202201200775MSD	A208-03S	-	NA	01/25/2217:15	01/24/2211:15	LA25023A	LA25006A	22DSA017W MS Duplicate (MSD)	ate (MSD)

FN - Filename % Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

Date Collected: 01/19/22 09:00 Client : EUROFINS EATON ANALYTICAL

Project : 981951 Batch No. : 22A208 Date Received: 01/21/22

Date Extracted: 01/24/22 11:15 Sample ID : 202201200773 Date Analyzed: 01/25/22 15:46

Lab Samp ID: 22A208-01 Dilution Factor: 1

Matrix: WATER Lab File ID: LA25018A Ext Btch ID: 22DSA017W % Moisture: NA Instrument ID: D5 Calib. Ref.: LA25004A

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel Motor Oil	ND ND	0.024 0.048	0.012 0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.361	0.475	76	60-130

60-130 Hexacosane 0.111 0.119 ______

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 : 1050ml

Final Volume : 5ml

: HWang Prepared by

Analyzed by : SDeeso

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 09:00

: 981951 Date Received: 01/21/22 Project Batch No. : 22A208 Sample ID : 202201200773 Date Extracted: 01/24/22 11:15

Date Analyzed: 01/25/22 15:46 Lab Samp ID: 22A208-01 Dilution Factor: 1 Lab File ID: LA25018A Matrix: WATER

% Moisture: NA Ext Btch ID: 22DSA017W Calib. Ref.: LA25005A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.048	0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene Hexacosane	0.361 0.111	0.475	76 94	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.

Final Volume : 5ml Sample Amount : 1050ml

Prepared by : HWang Analyzed by : SDeeso

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 09:00

Project : 981951 Batch No. : 22A208 Date Received: 01/21/22

Date Extracted: 01/24/22 11:15 Sample ID : 202201200773 Date Analyzed: 01/25/22 15:46

Lab Samp ID: 22A208-01 Dilution Factor: 1 Lab File ID: LA25018A Matrix: WATER Ext Btch ID: 22DSA017W % Moisture: NA Calib. Ref.: LA25006A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.048	0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene Hexacosane	0.361 0.111	0.475 0.119	76 94	60-130 60-130

Notes:

: Reporting Limit RL H-C Range Parameter

C8-C18 JP8

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1050ml

Final Volume : 5ml

Prepared by : HWang

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 08:35

: 981951 Date Received: 01/21/22 Project Date Extracted: 01/24/22 11:15

Batch No. : 22A208 Sample ID : 202201200775 Date Analyzed: 01/25/22 16:40 Lab Samp ID: 22A208-03 Dilution Factor: 1

Matrix: WATER Lab File ID: LA25021A Ext Btch ID: 22DSA017W % Moisture: NA Calib. Ref.: LA25004A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.023	0.012	
Motor Oil	ND	0.047	0.023	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.367	0.465	79	60-130
Hexacosane	0.107	0.116	92	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1070ml

Final Volume : 5ml Analyzed by : SDeeso

Prepared by : HWang

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 08:35 Project : 981951 Date Received: 01/21/22

Batch No. : 22A208 Date Extracted: 01/24/22 11:15
Sample ID : 202201200775 Date Analyzed: 01/25/22 16:40

Lab Samp ID: 22A208-03 Dilution Factor: 1

Lab File ID: LA25021A Matrix: WATER
Ext Btch ID: 22DSA017W % Moisture: NA
Calib. Ref.: LA25005A Instrument ID: D5

	RESULTS	RL	MDL
PARAMETERS	(mg/L)	(mg/L)	(mg/L)
JP5	ND	0.047	0.023

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.367	0.465	79	60-130
Hexacosane	0.107	0.116	92	60-130

Notes:

RL : Reporting Limit

Parameter H-C Range

IP5 C8-C18

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1070ml

Final Volume : 5ml

Prepared by : HWang

: EUROFINS EATON ANALYTICAL Date Collected: 01/19/22 08:35

Date Received: 01/21/22

Project : 981951 Batch No. : 22A208 Sample ID : 202201200775 Date Extracted: 01/24/22 11:15 Date Analyzed: 01/25/22 16:40

Lab Samp ID: 22A208-03 Dilution Factor: 1

Lab File ID: LA25021A Matrix: WATER Ext Btch ID: 22DSA017W % Moisture: NA Calib. Ref.: LA25006A Instrument ID: D5

RESULTS (mg/L) **PARAMETERS** (mg/L) (mg/L) JP8 0.047 0.023 ND

SURROGATE PARAMETERS RESULT SPK_AMT %RECOVERY QC LIMIT Bromobenzene 0.367 0.465 0.107 92 60-130 0.116 Hexacosane

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 : 1070ml

Final Volume : 5ml

Prepared by

: HWang

QC SUMMARIES

REPORT ID: 22A208

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 11:15

 Project
 : 981951
 Date Received: 01/24/22

 Batch No.
 : 22A208
 Date Extracted: 01/24/22 11:15

 Sample ID
 : MBLK1W
 Date Analyzed: 01/25/22 13:41

Lab Samp ID: DSA017WB Dilution Factor: 1
Lab File ID: LA25011A Matrix: WATER

Ext Btch ID: 22DSA017W % Moisture: NA Calib. Ref.: LA25004A 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	0.404	0.500	81	60-130
Hexacocane	0.122	0.125	97	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 : HWang

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT

: 981951

BATCH NO. : 22A208 METHOD : 352OC/8015B

MATRIX : WATER DILUTION FACTOR: 1

% MOISTURE:NA

SAMPLE ID : MBLK1W

, 1 LCS1W

LAB SAMPLE ID : DSA017WB

DSA017WL

LAB FILE ID : LA25011A LA25012A

ACCESSION:

DATE PREPARED : 01/24/22 11:15

DATE ANALYZED : 01/25/22 13:41

PREP BATCH : 22DSA017W 22DSA017W

CALIBRATION REF: LA25004A LA25004A

AL	ĻE	22	1	UN	

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Diesel	ND	2.50	2.52	101	50-130
=======================================					:=======
SURROGATE PARAMETERS		SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene Hexacosane		0.500 0.125	0.429 0.127	86 102	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. : 981948

METHOD

: 22A2O7 : 352OC/8015B

: WATER DILUTION FACTOR: 1

% MOISTURE:NA

SAMPLE ID : 202201200765

202201200765MS

202201200765MSD

LAB SAMPLE ID : 22A2O7-01 LAB FILE ID : LA25015A

22A207-01M

22A207-01S

DATE PREPARED : 01/24/22 11:15

LA25016A

LA25017A

DATE ANALYZED : 01/25/22 14:53

01/24/22 11:15 01/25/22 15:11 01/24/22 11:15 01/25/22 15:28 22DSA017W

PREP BATCH : 22DSA017W CALIBRATION REF: LA25004A

22DSA017W LA25004A

LA25004A

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	2.40	96	2.53	2.31	91	4	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	0.415 0.124	83 99	0.505 0.126	0.368 0.127	73 101		60-130 60-130	

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

Client : EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 11:15

: 981951 Project Date Received: 01/24/22 Date Extracted: 01/24/22 11:15

Batch No. : 22A208 Sample ID : MBLK1W Date Analyzed: 01/25/22 13:41

Lab Samp ID: DSA017WB Dilution Factor: 1 Lab File ID: LA25011A Matrix: WATER

Ext Btch ID: 22DSA017W % Moisture: NA Calib. Ref.: LA25005A Instrument ID: D5

	RESULTS	RL	MDL
PARAMETERS	(mg/L)	(mg/L)	(mg/L)
JP5	ND	0.050	0.025

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.404	0.500	81	60-130
Hexacosane	0.122	0.125	97	60-130

Notes:

RL : Reporting Limit Parameter H-C Range 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

: HWang

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO.

: 981951 : 22A208

METHOD

: 3520C/8015B

MATRIX DILUTION FACTOR: 1

% MOISTURE:NA

SAMPLE ID

: MBLK1W

LCS1W

LAB SAMPLE ID : DSA017WB

J5A017WL LA25013A

DATE PREPARED : 01/24/22 11:15

LAB FILE ID : LA25011A

01/24/22 11:15

DATE ANALYZED : 01/25/22 13:41

PREP BATCH : 22DSA017W

01/25/22 14:17

22DSA017W

CALIBRATION REF: LA25005A

LA25005A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)			QCLimit (%)
JP5	ND	2.50	2.23	89	30-160

SURROGATE PARAMETERS	SpikeAmt	LCSResult	LCSRec	QCLimit
	(mg/L)	(mg/L)	(%)	(%)
Bromobenzene	0.500	0.497	99	60-130
Hexacosane	0.125	0.124	99	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA MS/MSD ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO.

: 981951 : 22A208

METHOD : 3520C/8015B

MATRIX : WATER

% MOISTURE:NA

DILUTION FACTOR: 1 SAMPLE ID

: 202201200773 LAB SAMPLE ID : 22A208-01

202201200773MS 22A208-01M

202201200773MSD

LAB FILE ID : LA25018A

LA25019A

22A208-01S LA25020A

DATE ANALYZED : 01/25/22 15:46

DATE PREPARED : 01/24/22 11:15

01/24/22 11:15 01/25/22 16:04 01/24/22 11:15 01/25/22 16:22

PREP BATCH CALIBRATION REF: LA25005A

: 22DSA017W

22DSA017W LA25005A

22DSA017W LA25005A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.60	2.27	87	2.58	2.38	92 .	5	30-160	30
****************	=========		========		========	========			:=======	
SURROGATE PARAMETERS	•	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.520 0.130	0.441 0.122	85 94	0.515 0.129	0.491 0.125	95 97		60-130 60-130	

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

: EUROFINS EATON ANALYTICAL Date Collected: 01/24/22 11:15

: 981951 Project Date Received: 01/24/22

Batch No. : 22A208 Sample ID : MBLK1W Date Extracted: 01/24/22 11:15 Date Analyzed: 01/25/22 13:41

Lab Samp ID: DSA017WB Dilution Factor: 1

Lab File ID: LA25011A Matrix: WATER Ext Btch ID: 22DSA017W % Moisture: NA Calib. Ref.: LA25006A Instrument ID: D5

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)		
JP8	ND	0.050	0.025		
SUPPOCATE DADAMETERS	DECI I	CDV AMT	%DECOVEDY	00.11	

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.404	0.500	81	60-130
Kexacosane	0.122	0.125	97	60-130

Notes:

: Reporting Limit Parameter H-C Range

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

: HWang

EMAX QUALITY CONTROL DATA LAB CONTROL SAMPLE ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 981951

METHOD

: 22A208 : 3520C/8015B

MATRIX : WATER DILUTION FACTOR: 1

% MOISTURE:NA

SAMPLE ID : MBLK1W

LCS1W

LAB FILE ID : LA25011A

LAB SAMPLE ID : DSA017WB J8A017WL LA25014A

DATE PREPARED : 01/24/22 11:15 01/24/22 11:15

DATE ANALYZED : 01/25/22 13:41 PREP BATCH : 22DSA017W

01/25/22 14:35

22DSA017W

CALIBRATION REF: LA25006A

LA25006A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)		QCLimit (%)
JP8	ND	2.50	2,26	90	30-160

SURROGATE PARAMETERS	SpikeAmt	LCSResult	LCSRec	QCLimit
	(mg/L)	(mg/L)	(%)	(%)
Bromobenzene	0.500	0.533	107	60-130
Hexacosane	0.125	0.123	98	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA MS/MSD ANALYSIS

CLIENT

: EUROFINS EATON ANALYTICAL

PROJECT BATCH NO. : 981951

METHOD

: 22A208 : 3520C/8015B

MATRIX : WATER

CALIBRATION REF: LA25006A

% MOISTURE:NA

DILUTION FACTOR: 1

202201200775MSD

LAB SAMPLE ID : 22A208-03 LAB FILE ID

SAMPLE ID : 202201200775 : LA25021A

202201200775MS 22A208-03M LA25022A

22A208-03S LA25023A 01/24/22 11:15

PREP BATCH : 22DSA017W

DATE PREPARED : 01/24/22 11:15 DATE ANALYZED : 01/25/22 16:40

01/24/22 11:15 01/25/22 16:57 22DSA017W

LA25006A

01/25/22 17:15 22DSA017W LA25006A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikcAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP8	ND	2.53	1.97	78	2.50	1.84	74	7	30-160	30
=======================================			=======================================	=======				======	========	
SURROGATE PARAMETERS		SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)		QCLimit (%)	
Bromobenzene Hexacosane		0.505	0.478	95	0.500	0.428	86 94		60-130 60-130	

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