

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



Utah ELCP CA00006

DEB: Debbie L Frank
Project Manager

Report: 980297
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)	Potable Water *	Waste Water	Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x	Gross Alpha coprecipitation	SM 7110 C	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x		Hardness	SM 2340 B	x	x
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x	Hexavalent Chromium	EPA 218.6,	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x	Hexavalent Chromium	EPA 218.7,	x	
Heterotrophic Bacteria	SM 9215 B	x		Hexavalent Chromium	SM 3500-Cr B		x
Legionella	Legiolert®	x		Inorganic Anions and DBPs	EPA 300.0	x	x
Pseudomonas aeruginosa	Idexx Pseudalart	x		Norganic Anions and DBPs	EPA 300.1	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x	Kjeldahl Nitrogen	EPA 351.2		x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x	Metals	EPA 200.7, EPA200.8	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x		Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Total Microcystins and Nodularins	EPA 546	X		Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Yeast and Mold	SM 9610	x		Odor	SM2150B	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x		Organohalide Pesticides and PCB	EPA 505	x	
1,4-Dioxane	EPA 522	x		Ortho Phosphate	SM 4500P E	x	
2,3,7,8-TCDD	Modified EPA 1613 B	x		Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Acrylamide	+ LCMS 2440)	x		Perchlorate	EPA 331.0	x	
Algal Toxins/Microcystin	+ LCMS 3570	x		Perchlorate (Low and High Levels)	EPA 314.0	x	
Alkalinity	SM 2320B	x	x	Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
Ammonia	EPA 350.1, SM 4500-NH3 H		x	PPCP and EDC	+ LCMS-2443	x	
Asbestos	EPA 100.2	x	x	pH	EPA 150.1 SM 4500-H+ B	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x	Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
BOD/CBOD	SM 5210 B		x	Phenylurea Pesticides/Herbicides	+ LCMS-2448	x	
Bromate	+ LCMS- 2447	x		Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Carbonate as CO3	SM 2330 B	x	x	Radon-222	SM 7500RN	x	
Carbonyls	EPA 556	x	x	Residue (Filterable)	SM 2540C	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x	Residue (Non-Filterable)	SM 2540D		x
Chlorinated Acids	EPA 515.4	x		Residue (Total)	SM 2540B		x
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x		Residue (Volatile)	EPA 160.4		x
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x		Semi-Volatile Compounds	EPA 525.2	x	
Color	SM2120B	x		Silica	SM 4500-SiO2 C	x	x
Conductivity	EPA 120.1, SM 2510B	x	x	Sulfide	SM 4500-S D		x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x		Sulfite	SM 4500-SO3 B	x	x
Cyanide (Amenable)	SM 4500-CN G	x	x	Surfactants	SM 5540C	x	x
Cyanide (Free)	SM 4500CN F	x	x	Taste and Odor	SM 6040 E	x	
Cyanide (Total)	EPA 335.4	x	x	Total Organic Carbon	SM 5310 C	x	x
Cyanogen Chloride (Screen)	+ 335 Mod (WC-24467)	x		Total Phenols	EPA 420.1		x
Diquat and Paraquat	EPA 549.2	x		Total Phenols	EPA 420.4	x	x
DBP and HAA	SM 6251 B	x		Triazine Pesticides and their Degradates	+ LCMS-3617	x	
Dissolved Organic Carbon	SM 5310 C	x		Turbidity	EPA 180.1	x	x
Dissolved Oxygen	SM 4500-O G		x	Uranium by ICP/MS	EPA 200.8	x	
EDB/DCBP/TCP	EPA 504.1	x		UV 254 Organic Constituents	SM 5910B	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x		VOCs	EPA 524.2	x	
EDTA and NTA	+ WC-2454	x		VOCs	+ (GCMS 2412) by EPA 524.2 modified	x	
Endothall	EPA 548.1, +(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				

(*) 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 #: 980297
 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 13, 2022 at 1441**. 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
<u>202201130719</u>	AIEA WELLS PUMP 2 (331-004) SDWIS PWSID: HI0000331 SDWIS SAMPLE POINT ID: 004	01/12/2022 0940
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202201130720</u>	TRAVEL BLANK::AIEA WELLS PUMP 2 (331-004)	01/12/2022 0940
	(SUB)Gas Fraction Hydrocarbons	
<u>202201130721</u>	HALAWA WELLS PUMP 1 (331-023) SDWIS PWSID: HI0000331 SDWIS SAMPLE POINT ID: 023	01/12/2022 0840
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202201130722</u>	TRAVEL BLANK::HALAWA WELLS PUMP 1 (331-023)	01/12/2022 0840
	(SUB)Gas Fraction Hydrocarbons	
<u>202201200304</u>	RUSH	01/12/2022 08:40
	RUSH	

Test Description



Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

750 Royal Oaks Drive, Suite 100
 Monrovia, CA 91016-3629
 Phone: 626 386 1100
 Fax: 626 386 1101
 800 566 LABS (800 566 5227)

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: CB

SAMPLES LOGGED IN BY: CB

SAMPLES REC'D DAY OF COLLECTION? (check for yes)

SAMPLE TEMP RECEIVED AT: _____ °C (Compliance: 4 ± 2 °C)

Colton / No. California / Arizona

Monrovia

CONDITION OF BLUE ICE: Frozen _____ Thawed _____ Wet Ice _____ No Ice _____

Partially Frozen

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

Handwritten initials

TO BE COMPLETED BY SAMPLER: _____ (check for yes)

COMPANY/AGENCY NAME: BWS HONOLULU

PROJECT CODE: Red Hill

COMPLIANCE SAMPLES **NON-COMPLIANCE SAMPLES** (check for yes)

- Requires state forms REGULATION INVOLVED: _____

Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,....)

EEA CLIENT CODE: Honolulu

COC ID: _____

SAMPLE GROUP: _____

SEE ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes), **OR**

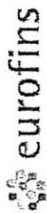
list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX	FIELD DATA		SAMPLER COMMENTS
					1 wk	2 day	
1-12-22	0940	Aiea Wells pump 2	HI0000331-004	CFW			Relabeled bottles
1-12-22	0840	Halawa Wells pump 1	HI0000331-023	CFW			Relabeled bottles
		Temperature Blank					Temp Blank: 0.0 °C

*** MATRIX TYPES:** RSW = Raw Surface Water CFW = Chlor(am)inated Finished Water SEAW = Sea Water BW = Bottled Water SO = Soil O = Other - Please Identify

RGW = Raw Ground Water FW = Other Finished Water WW = Waste Water SW = Storm Water SL = Sludge

SAMPLED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	<i>[Signature]</i>	Derek Dotson	Honolulu Board of Water Supply	1-12-2022	
RECEIVED BY:	<i>[Signature]</i>	Derek Dotson	Honolulu Board of Water Supply	1-12-2022	1200
RELINQUISHED BY:	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	1-13-22	1447
RECEIVED BY:					



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 401 (Observation = 411 °C) (Corr.Factor 0.12 °C) (Final = 3.9 °C)

TYPE OF ICE: Real Synthetic No Ice CONDITION OF ICE: Frozen Partially Frozen Thawed N/A

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: _____

Compliance Acceptance Criteria:

- 1) Chemistry: >0, ≤ 6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)
- 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥ 10°C if received on ice the same day as sample collection, within 8 hours)
- 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)	2 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)
3 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)	4 = (Observation = _____ °C) (Corr.Factor = _____ °C) (Final = _____ °C)

4) Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)

5) pH Check. Manufacturer: _____ Lot Number: _____ pH strip type: 0 - 14 or _____ Expiration Date _____ Results: _____

6) Chlorine check. Manufacturer: Sansafe. Lot No.: _____ Expiration Date: _____ Results: _____

7) VOA and Radon Headspace: No Samples with Headspace: Samples with Headspace (see below):

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:

Samp ID	Bottle #	None/<6 mm	>6mm	Test	Samp ID	Bottle #	None/<6 mm	>6mm	Test

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): _____

RECEIVED BY: Chris Beach SIGNATURE: Chris Beach PRINT NAME: Eurofins Eaton Analytical COMPANY/TITLE: Eurofins Eaton Analytical DATE: 1.13.22 TIME: 1438

SAMPLES CHECKED AGAINST COC BY: _____ SIGNATURE: _____ PRINT NAME: Eurofins Eaton Analytical COMPANY/TITLE: Eurofins Eaton Analytical DATE: _____ TIME: _____

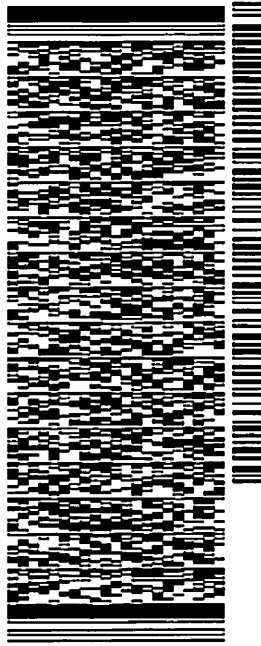
ORIGIN:ID-HIKA (808) 748-5840
BWS CHEM LAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST.
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 12JAN22
ACTWGT: 50.00 LB
CAD: 100205419/NET4400
BILL RECEIPT

TO C CHUCK

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100
MONROVIA CA 91016
REF: (626) 386-1178
PO INV: DEPT:

56D.J201EF/FE4A



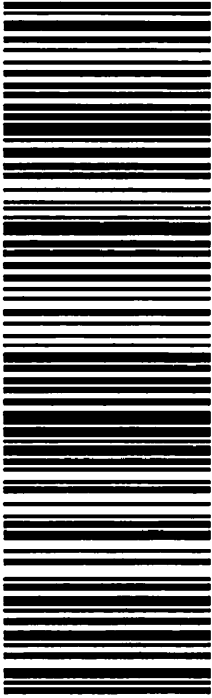
1 of 6

TRK# 7757 3642 7222
0201
MASTER

THU - 13 JAN 10:30A
PRIORITY OVERNIGHT

WZ WHPA

CA-US 91016
BUR



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

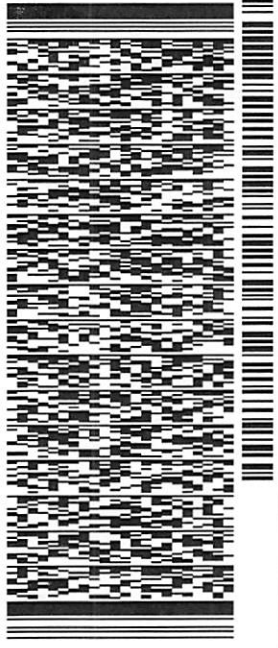
ORIGIN ID:HIKA (808) 748-5840
BWS CHEM LAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 12JAN22
ACTWGT: 50.00 LB
CAD: 100205419/NET 4400
BILL RECIPIENT

TO C CHUCK

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100
MONROVIA CA 91016
REF: (626) 386-1178
INV: PO: DEPT:

56DJ201EF/FE4A



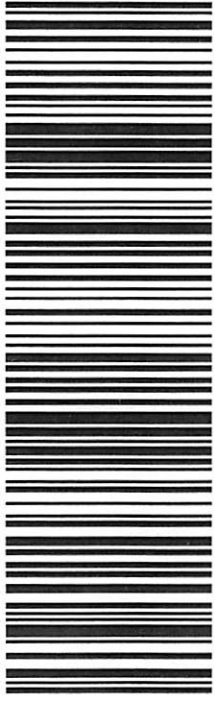
THU - 13 JAN 10:30A
PRIORITY OVERNIGHT

6 of 6
MPS# 7757 3643 0159
0263
Mstr# 7757 3642 7222

0201

WZ WHPA

91016
CA-US BUR



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

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

Created Date & Time: 12/10/2021 8:12:21PM

Note: Sampler Please return this paper with your samples

Kit #: 307678 

Client ID: HONOLULU 

Created By: - [AutoGenerated]
 Deliver By: 12/29/2021
 STG: Bottle Orders
 Ice Type: G
 Pre Registered

Project Code: RED-HILL Bottle Orders
 Group Name: Red-Hill Expanded List (Albuquerque+)
 PO#/JOB#: C20525101 exp 05312023
 Description: AIEA WELLS PUMPS 1&2 (260) - 1

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

Send Report to
 Honolulu Board of Water Supply
 630 South Beretania Street
 Public Service Bldg." Room 308
 Honolulu, HI 96843
 Attn: Erwin Kawata
 Phone: 808-748-5091
 Fax: 808-550-5018

Billing Address
 Honolulu Board of Water Supply
 630 South Beretania Street
 Public Service Bldg." Room 308
 Honolulu, HI 96843
 Attn: Erwin Kawata
 Phone: 808-748-5091
 Fax: 808-550-5018

# of Sample Tests	Bottle Qty - Type [preservative information]	Total	UN DOT #
1	@625A_Physis_C_@625BN_Physis_C_@625PAH_Physis_HCS_C 4 - 1L amber glass [1 ml Thio 8%]	4	
1	TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C	6	
1	8015 Gas_C	3	
1	8015 Gas_C TB	2	
1	@VGASDWA-C plus plus HCS_TBC	3	UN1789
1	@VGASDWA-C plus plus HCS_C	3	UN1789
1	@8015 Ethanol_Subbed	3	
Sum Tests: 7		Sum Bottles: 24	

Comments

AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)

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

SHIPPING:
 Travel Blanks - TBAMTBE, VOASDWA - Prepare TBs in the VOA LAB.
 Label Cooler on TOP and right below both Handles with Site description of contents (use extra Container Labels)

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

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

Laboratory Comments

Report: 980297
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

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

Folder Comments

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

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

Report: 980297
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Honolulu Board of Water Supply
Erwin Kawata
630 South Beretania Street
Public Service Bldg." Room 308
Honolulu, HI 96843

Samples Received on:
01/13/2022 1441

Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL
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 Fax: (866) 988-3757
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 Erwin Kawata
 630 South Beretania Street
 Public Service Bldg." Room 308
 Honolulu, HI 96843

Samples Received on:
 01/13/2022 1441

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>AIEA WELLS PUMP 2 (331-004) (202201130719)</u>						Sampled on 01/12/2022 0940			
Sample Point ID: 004 PWSID: HI0000331									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
01/14/22	01/14/22 22:59			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
01/17/22	01/19/22 19:27			(SW 8015B)	TPH Diesel	ND	mg/L	0.026	1
01/17/22	01/19/22 19:27			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.052	1
EPA 8015 - Jet Fuel 5 C8-C18									
01/17/22	01/19/22 19:27			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.052	1
EPA 8015 - Jet Fuel 8 C8-C18									
	01/19/22 19:27			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.052	1
<u>TRAVEL BLANK::AIEA WELLS PUMP 2 (331-004) (202201130720)</u>						Sampled on 01/12/2022 0940			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
01/14/22	01/14/22 23:33			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>HALAWA WELLS PUMP 1 (331-023) (202201130721)</u>						Sampled on 01/12/2022 0840			
Sample Point ID: 023 PWSID: HI0000331									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
01/15/22	01/15/22 00:08			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
01/17/22	01/19/22 19:45			(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
01/17/22	01/19/22 19:45			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.047	1
EPA 8015 - Jet Fuel 5 C8-C18									
01/17/22	01/19/22 19:45			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.047	1
EPA 8015 - Jet Fuel 8 C8-C18									
	01/19/22 19:45			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.047	1
<u>TRAVEL BLANK::HALAWA WELLS PUMP 1 (331-023) (202201130722)</u>						Sampled on 01/12/2022 0840			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
01/15/22	01/15/22 00:42			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1

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.



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

Date: 01-26-2022
EMAX Batch No.: 22A135

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 980297

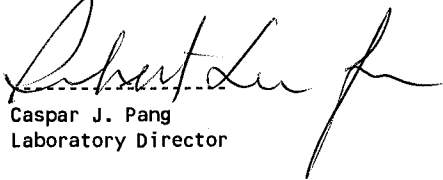
Enclosed is the Laboratory report for samples received on 01/14/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
202201130719	A135-01	01/12/22	WATER	TPH GASOLINE TPH
202201130720	A135-02	01/12/22	WATER	TPH GASOLINE
202201130721	A135-03	01/12/22	WATER	TPH GASOLINE TPH
202201130722	A135-04	01/12/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

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

Sincerely yours,


Caspar J. Pang
Laboratory Director

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

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

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



Eaton Analytical

Ship To:
EMAX Laboratories, Inc.
3051 Fujita St.
Torrance, CA 90505

Phone: 310-618-8889 Fax: 310-618-0818

Folder #: 980297 Report Due: 01/18/2022

Submittal Form

Date: 1/14/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # 980297 Job # 1000014

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

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

Provide in each Report the
Specified State Certification # and
Exp Date for requested tests + matrix.
Samples from: HAWAII

3 day rush

Sample ID 202201130719 Client Sample ID for reference onl AIEA WELLS PUMP 2 (331-004) Sample Date & Time Matrix 01/12/22 0940 DW Clip Code PWSID JLS

Sample type: Sample Event: Sample ID: Facility ID: Sample Point ID: Static ID:

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

Sample ID 202201130720 Client Sample ID for reference onl TRAVEL BLANK:AIEA WELLS PUMP 2 (331-004) Sample Date & Time Matrix 01/12/22 0940 DW Clip Code PWSID JLS

Sample type: Sample Event: Sample ID: Facility ID: Sample Point ID: Static ID:

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

Relinquished by: *[Signature]* Date 1/14/22 Time 12:21 Sample Control

Received by: *[Signature]* Date 1/14/22 Time 12:21

Relinquished by: *[Signature]* Date _____ Time _____ Sample Control

Received by: _____ Date _____ Time _____

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Temp. 1.5, 0.9, 1.1

Sample ID 202201130721 **Client Sample ID for reference onl** 22A135 **Sample Date & Time** 01/12/22 0840 **Matrix** DW **Clip Code** **PWSID** JLS
 HALAWA WELLS PUMP 1 (331-023)
Sample type: **Sample Event:** **Facility ID:** **Sample Point ID:** **Static ID:**

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

Sample ID 202201130722 **Client Sample ID for reference onl** **Sample Date & Time** 01/12/22 0840 **Matrix** DW **Clip Code** **PWSID** JLS
 TRAVEL BLANK: HALAWA WELLS PUMP 1 (331-023)
Sample type: **Sample Event:** **Facility ID:** **Sample Point ID:** **Static ID:**

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

Relinquished by: [Signature] **Sample Control** **Date** 1/14/22 **Time** 12:01
Received by: [Signature] **Date** 1/14/22 **Time** 12:01
Relinquished by: **Sample Control** **Date** **Time**
Received by: **Date** **Time**

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Type of Delivery <input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> GSO <input type="checkbox"/> Others	Airbill / Tracking Number	ECN 22A135
<input type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery		Recipient <u>Alan Ramos</u>
		Date <u>01/14/22</u> Time <u>12:21</u>

COC INSPECTION

<input checked="" type="checkbox"/> Client Name	<input checked="" type="checkbox"/> Client PM/FC	<input type="checkbox"/> Sampler Name	<input checked="" type="checkbox"/> Sampling Date/Time	<input checked="" type="checkbox"/> Sample ID	<input checked="" type="checkbox"/> Matrix
<input checked="" type="checkbox"/> Address	<input checked="" type="checkbox"/> Tel # / Fax #	<input type="checkbox"/> Courier Signature	<input checked="" type="checkbox"/> Analysis Required	<input type="checkbox"/> Preservative (if any)	<input checked="" type="checkbox"/> TAT
Safety Issues (if any)	<input type="checkbox"/> High concentrations expected	<input type="checkbox"/> From Superfund Site	<input type="checkbox"/> Rad screening required		

Note: _____

PACKAGING INSPECTION

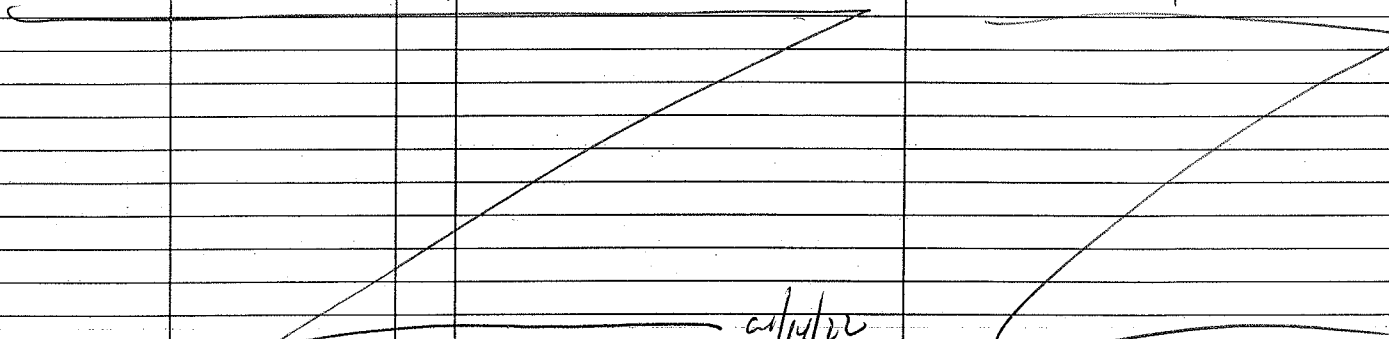
Container	<input checked="" type="checkbox"/> Cooler	<input type="checkbox"/> Box	<input type="checkbox"/> Other
Condition	<input type="checkbox"/> Custody Seal	<input type="checkbox"/> Intact	<input type="checkbox"/> Damaged
Packaging	<input checked="" type="checkbox"/> Bubble Pack	<input type="checkbox"/> Styrofoam	<input type="checkbox"/> Popcorn
Temperatures (Cool, ≤6 °C but not frozen)	<input checked="" type="checkbox"/> Cooler 1 <u>1.5</u> °C	<input checked="" type="checkbox"/> Cooler 2 <u>0.9</u> °C	<input checked="" type="checkbox"/> Cooler 3 <u>1.1</u> °C
	<input type="checkbox"/> Cooler 4 _____ °C	<input type="checkbox"/> Cooler 5 _____ °C	<input type="checkbox"/> Cooler 6 _____ °C
	<input type="checkbox"/> Cooler 7 _____ °C	<input type="checkbox"/> Cooler 8 _____ °C	<input type="checkbox"/> Cooler 9 _____ °C
	<input type="checkbox"/> Cooler 10 _____ °C		

Thermometer: A - S/N 210191066 a 14/14 B - S/N 210271396 C - S/N 210271399 D - S/N _____

Comments: Temperature is out of range. PM was informed IMMEDIATELY.

Note: _____

DISCREPANCIES

LabSampleID	LabSampleContainerID	Code	ClientSample Label ID / Information	Corrective Action
<u>3.3</u>	<u>4-7 13-16</u>	<u>D22</u>		<u>R8</u>
	<u>12</u>	<u>D14</u>		<u>R4</u>
				

pH holding time requirement for water samples is 15 mins. Water samples for pH analysis are received beyond 15 minutes from sampling time.

RB 1/19/22

NOTES/OBSERVATIONS:

LEGEND:

<p>Code Description- Sample Management</p> <p>D1 Analysis is not indicated in _____</p> <p>D2 Analysis mismatch COC vs label</p> <p>D3 Sample ID mismatch COC vs label</p> <p>D4 Sample ID is not indicated in _____</p> <p>D5 Container -[improper] [leaking] [broken]</p> <p>D6 Date/Time is not indicated in _____</p> <p>D7 Date/Time mismatch COC vs label</p> <p>D8 Sample listed in COC is not received</p> <p>D9 Sample received is not listed in COC</p> <p>D10 No initial/date on corrections in COC/label</p> <p>D11 Container count mismatch COC vs received</p> <p>D12 Container size mismatch COC vs received</p>	<p>Code Description-Sample Management</p> <p>D13 Out of Holding Time</p> <p>D14 Bubble is >6mm</p> <p>D15 No trip blank in cooler</p> <p>D16 Preservation not indicated in _____</p> <p>D17 Preservation mismatch COC vs label</p> <p>D18 Insufficient chemical preservative</p> <p>D19 Insufficient Sample</p> <p>D20 No filtration info for dissolved analysis</p> <p>D21 No sample for moisture determination</p> <p><u>D22 Jet Fuel & Analysis not indicated on label</u></p> <p>D23 _____</p> <p>D24 _____</p>	<p><input type="checkbox"/> Continue to next page.</p> <p>Code Description-Sample Management</p> <p>R1 Proceed as indicated in <input type="checkbox"/> COC <input type="checkbox"/> Label</p> <p>R2 Refer to attached instruction</p> <p>R3 Cancel the analysis</p> <p>R4 Use vial with smallest bubble first</p> <p>R5 Log-in with latest sampling date and time+1 min</p> <p>R6 Adjust pH as necessary</p> <p>R7 Filter and preserved as necessary</p> <p>R8 <u>Informed client</u></p> <p>R9 _____</p> <p>R10 _____</p> <p>R11 _____</p> <p>R12 _____</p>
--	---	--

REVIEWS:

<p>Sample Labeling <u>Mavig Riven</u></p> <p>Date <u>01/14/22</u></p>	<p>SRF <u>Rivera</u></p> <p>Date <u>1/14/22</u></p>	<p>PM <u>RB</u></p> <p>Date <u>1/19/22</u></p>
---	---	--

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.
B	B	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

980297

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

SDG#: 22A135

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 980297

SDG : 22A135

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

A total of four(4) water samples were received on 01/14/22 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. VGH7A04B - 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. VGH7A04L/VGH7A04C were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. Gasoline was within MS QC limits in A134-01M/A134-01S. 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.

SAMPLE RESULTS

QC SUMMARIES

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/14/22 16:43
Project     : 980297                     Date Received: 01/14/22
Batch No.   : 22A135                     Date Extracted: 01/14/22 16:43
Sample ID   : MBLK1W                     Date Analyzed: 01/14/22 16:43
Lab Samp ID: VGH7A04B                   Dilution Factor: 1
Lab File ID: AA14005A                   Matrix: WATER
Ext Btch ID: 22VGH7A04                 % Moisture: NA
Calib. Ref.: AA14003A                   Instrument ID: H7
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0377	0.0400	94	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

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 980297
BATCH NO. : 22A135
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W         LCD1W
LAB SAMPLE ID : VGH7A04B                         VGH7A04L     VGH7A04C
LAB FILE ID  : AA14005A                         AA14006A     AA14007A
DATE PREPARED : 01/14/22 16:43                 01/14/22 17:17 01/14/22 17:51
DATE ANALYZED : 01/14/22 16:43                 01/14/22 17:17 01/14/22 17:51
PREP BATCH   : 22VGH7A04                       22VGH7A04    22VGH7A04
CALIBRATION REF: AA14003A                      AA14003A     AA14003A
  
```

ACCESSION:

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	0.385	77	0.500	0.386	77	0	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0446	112	0.0400	0.0419	105	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 : 980303
BATCH NO. : 22A134
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202201130731                       202201130731MS 202201130731MSD
LAB SAMPLE ID : A134-01                           A134-01M      A134-01S
LAB FILE ID  : AA14011A                           AA14012A      AA14013A
DATE PREPARED : 01/14/22 20:08                    01/14/22 20:43 01/14/22 21:17
DATE ANALYZED : 01/14/22 20:08                    01/14/22 20:43 01/14/22 21:17
PREP BATCH   : 22VGH7A04                           22VGH7A04     22VGH7A04
CALIBRATION REF: AA14003A                           AA14003A      AA14003A
  
```

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	0.387	77	0.500	0.391	78	1	50-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0432	108	0.0400	0.0423	106	60-140

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

980297

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22A135

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 980297

SDG : 22A135

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 01/14/22 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. DSA011WB - 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. DSA011WL/DSA011WC were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22A134-01M/22A134-01S. 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

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.

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 980297

SDG : 22A135

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 01/14/22 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. DSA011WB - 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. J5A011WL/J5A011WC were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. JP5 was within MS QC limits in 22A134-01M/22A134-01S. 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

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.

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 980297

SDG : 22A135

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 01/14/22 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. DSA011WB - 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. J8A011WL/J8A011WC were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. JP8 was within MS QC limits in 22A134-01M/22A134-01S. 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

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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG NO. : 22A135
Instrument ID : D5

Client : EUROFINS EATON ANALYTICAL
Project : 980297

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis Date/Time	Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	DSA011WB	1	NA	01/19/2214:26	01/17/2213:15	LA19009A	LA19003A	22DSA011W	Method Blank
LCS1W	DSA011WL	1	NA	01/19/2214:44	01/17/2213:15	LA19010A	LA19003A	22DSA011W	Lab Control Sample (LCS)
LCD1W	DSA011WC	1	NA	01/19/2215:02	01/17/2213:15	LA19011A	LA19003A	22DSA011W	LCS Duplicate
202201130719	A135-01	1	NA	01/19/2219:27	01/17/2213:15	LA19026A	LA19003A	22DSA011W	Field Sample
202201130721	A135-03	1	NA	01/19/2219:45	01/17/2213:15	LA19027A	LA19003A	22DSA011W	Field Sample

FN - Filename
% Moist - Percent Moisture

LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project     : 980297
SDG NO.    : 22A135
Instrument ID : D5
=====

```

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	DSA011WB	1	NA	01/19/2214:26	01/17/2213:15	LA19009A	LA19005A	22DSA011W	Method Blank
LCS1W	J8A011WL	1	NA	01/19/2215:55	01/17/2213:15	LA19014A	LA19005A	22DSA011W	Lab Control Sample (LCS)
LCD1W	J8A011WC	1	NA	01/19/2216:13	01/17/2213:15	LA19015A	LA19005A	22DSA011W	LCS Duplicate
202201130719	A135-01	1	NA	01/19/2219:27	01/17/2213:15	LA19026A	LA19005A	22DSA011W	Field Sample
202201130721	A135-03	1	NA	01/19/2219:45	01/17/2213:15	LA19027A	LA19005A	22DSA011W	Field Sample

```

FN          - Filename
% Moist     - Percent Moisture

```

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/12/22 09:40
Project     : 980297                     Date Received: 01/14/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : 202201130719              Date Analyzed: 01/19/22 19:27
Lab Samp ID: 22A135-01                   Dilution Factor: 1
Lab File ID: LA19026A                     Matrix: WATER
Ext Btch ID: 22DSA011W                    % Moisture: NA
Calib. Ref.: LA19003A                     Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.026	0.013	
Motor Oil	ND	0.052	0.026	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.436	0.520	84	60-130
Hexacosane	0.133	0.130	102	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 : 960ml Final Volume : 5ml
Prepared by : P0reto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/12/22 09:40
Project     : 980297                     Date Received: 01/14/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : 202201130719              Date Analyzed: 01/19/22 19:27
Lab Samp ID: 22A135-01                   Dilution Factor: 1
Lab File ID: LA19026A                     Matrix: WATER
Ext Btch ID: 22DSA011W                    % Moisture: NA
Calib. Ref.: LA19004A                     Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.052	0.026	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.436	0.520	84	60-130
Hexacosane	0.133	0.130	102	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 960ml Final Volume : 5ml
 Prepared by : POrreto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/12/22 09:40
Project    : 980297                       Date Received: 01/14/22
Batch No.  : 22A135                       Date Extracted: 01/17/22 13:15
Sample ID  : 202201130719                 Date Analyzed: 01/19/22 19:27
Lab Samp ID: 22A135-01                     Dilution Factor: 1
Lab File ID: LA19026A                       Matrix: WATER
Ext Btch ID: 22DSA011W                     % Moisture: NA
Calib. Ref.: LA19005A                      Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP8	ND	0.052	0.026

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.436	0.520	84	60-130
Hexacosane	0.133	0.130	102	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 960ml Final Volume : 5ml
 Prepared by : P0reto Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/12/22 08:40
Project     : 980297                     Date Received: 01/14/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : 202201130721              Date Analyzed: 01/19/22 19:45
Lab Samp ID: 22A135-03                   Dilution Factor: 1
Lab File ID: LA19027A                    Matrix: WATER
Ext Btch ID: 22DSA011W                   % Moisture: NA
Calib. Ref.: LA19003A                    Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
Diesel	ND	0.024	0.012
Motor Oil	ND	0.047	0.024

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.415	0.470	88	60-130
Hexacosane	0.119	0.118	101	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 : 1060ml Final Volume : 5ml
Prepared by : P0reto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/12/22 08:40
Project     : 980297                     Date Received: 01/14/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : 202201130721              Date Analyzed: 01/19/22 19:45
Lab Samp ID: 22A135-03                   Dilution Factor: 1
Lab File ID: LA19027A                    Matrix: WATER
Ext Btch ID: 22DSA011W                   % Moisture: NA
Calib. Ref.: LA19004A                    Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.047	0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.415	0.470	88	60-130
Hexacosane	0.119	0.118	101	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.
 Sample Amount : 1060ml Final Volume : 5ml
 Prepared by : POrto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/12/22 08:40
Project     : 980297                     Date Received: 01/14/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : 202201130721              Date Analyzed: 01/19/22 19:45
Lab Samp ID: 22A135-03                   Dilution Factor: 1
Lab File ID: LA19027A                    Matrix: WATER
Ext Btch ID: 22DSA011W                   % Moisture: NA
Calib. Ref.: LA19005A                    Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.047	0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.415	0.470	88	60-130
Hexacosane	0.119	0.118	101	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1060ml Final Volume : 5ml
 Prepared by : POrto Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/17/22 13:15
Project     : 980297                     Date Received: 01/17/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : MBLK1W                     Date Analyzed: 01/19/22 14:26
Lab Samp ID: DSA011WB                    Dilution Factor: 1
Lab File ID: LA19009A                    Matrix: WATER
Ext Btch ID: 22DSA011W                   % Moisture: NA
Calib. Ref.: LA19003A                    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	0.303	0.500	61	60-130
Hexacosane	0.105	0.125	84	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

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

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 980297
BATCH NO. : 22A135
METHOD : 3520C/8015B

MATRIX	: WATER		% MOISTURE:NA
DILUTION FACTOR:	1	1	1
SAMPLE ID	: MBLK1W	LCS1W	LCD1W
LAB SAMPLE ID	: DSA011WB	DSA011WL	DSA011WC
LAB FILE ID	: LA19009A	LA19010A	LA19011A
DATE PREPARED	: 01/17/22 13:15	01/17/22 13:15	01/17/22 13:15
DATE ANALYZED	: 01/19/22 14:26	01/19/22 14:44	01/19/22 15:02
PREP BATCH	: 22DSA011W	22DSA011W	22DSA011W
CALIBRATION REF:	LA19003A	LA19003A	LA19003A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.50	2.30	92	2.50	2.18	87	5	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromobenzene	0.500	0.477	95	0.500	0.394	79	60-130
Hexacosane	0.125	0.111	89	0.125	0.119	95	60-130

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/17/22 13:15
Project     : 980297                     Date Received: 01/17/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : MBLK1W                     Date Analyzed: 01/19/22 14:26
Lab Samp ID: DSA011WB                    Dilution Factor: 1
Lab File ID: LA19009A                    Matrix: WATER
Ext Btch ID: 22DSA011W                   % Moisture: NA
Calib. Ref.: LA19004A                    Instrument ID: D5
=====
  
```

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

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.303	0.500	61	60-130
Hexacosane	0.105	0.125	84	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

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

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 980297
BATCH NO. : 22A135
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W         LCD1W
LAB SAMPLE ID : DSA011WB                         J5A011WL     J5A011WC
LAB FILE ID  : LA19009A                         LA19012A     LA19013A
DATE PREPARED : 01/17/22 13:15                 01/17/22 13:15 01/17/22 13:15
DATE ANALYZED : 01/19/22 14:26                 01/19/22 15:19 01/19/22 15:37
PREP BATCH   : 22DSA011W                       22DSA011W    22DSA011W
CALIBRATION REF: LA19004A                      LA19004A     LA19004A
  
```

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.50	1.85	74	2.50	1.84	74	1	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromobenzene	0.500	0.481	96	0.500	0.393	79	60-130
Hexacosane	0.125	0.121	97	0.125	0.108	86	60-130

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 01/17/22 13:15
Project     : 980297                     Date Received: 01/17/22
Batch No.   : 22A135                     Date Extracted: 01/17/22 13:15
Sample ID   : MBLK1W                     Date Analyzed: 01/19/22 14:26
Lab Samp ID: DSA011WB                    Dilution Factor: 1
Lab File ID: LA19009A                    Matrix: WATER
Ext Btch ID: 22DSA011W                   % Moisture: NA
Calib. Ref.: LA19005A                    Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.050	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.303	0.500	61	60-130
Hexacosane	0.105	0.125	84	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1000ml Final Volume : 5ml
 Prepared by : P0reto Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 980297
BATCH NO. : 22A135
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W         LCD1W
LAB SAMPLE ID : DSA011WB                         J8A011WL      J8A011WC
LAB FILE ID  : LA19009A                         LA19014A      LA19015A
DATE PREPARED : 01/17/22 13:15                 01/17/22 13:15 01/17/22 13:15
DATE ANALYZED : 01/19/22 14:26                 01/19/22 15:55 01/19/22 16:13
PREP BATCH   : 22DSA011W                       22DSA011W     22DSA011W
CALIBRATION REF: LA19005A                      LA19005A      LA19005A
  
```

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP8	ND	2.50	2.81	112	2.50	2.82	113	0	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromobenzene	0.500	0.489	98	0.500	0.528	106	60-130
Hexacosane	0.125	0.106	85	0.125	0.115	92	60-130

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

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 980303
BATCH NO. : 22A134
METHOD : 3520C/8015B

```

=====
MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1 1
SAMPLE ID : 202201130731 202201130731MSD 202201130731MSD
LAB SAMPLE ID : 22A134-01 22A134-01M 22A134-01S
LAB FILE ID : LA19019A LA19020A LA19021A
DATE PREPARED : 01/17/22 13:15 01/17/22 13:15 01/17/22 13:15
DATE ANALYZED : 01/19/22 17:23 01/19/22 17:41 01/19/22 17:59
PREP BATCH : 22DSA011W 22DSA011W 22DSA011W
CALIBRATION REF: LA19003A LA19003A LA19003A
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.70	2.33	86	2.65	2.47	93	6	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.540	0.395	73	0.530	0.482	91	60-130
Hexacosane	0.135	0.126	93	0.132	0.134	101	60-130

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

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 980303
BATCH NO. : 22A134
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                                % MOISTURE:NA
DILUTION FACTOR: 1                                1
SAMPLE ID   : 202201130731                        202201130731MSD
LAB SAMPLE ID : 22A134-01                          22A134-01S
LAB FILE ID  : LA19019A                            LA19022A      LA19023A
DATE PREPARED : 01/17/22 13:15                    01/17/22 13:15
DATE ANALYZED : 01/19/22 17:23                    01/19/22 18:17
PREP BATCH   : 22DSA011W                          22DSA011W
CALIBRATION REF: LA19004A                          LA19004A      LA19004A
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.70	2.04	76	2.65	2.69	102	27	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.540	0.424	79	0.530	0.454	86	60-130
Hexacosane	0.135	0.127	94	0.132	0.131	99	60-130

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

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 980303
BATCH NO. : 22A134
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                                % MOISTURE:NA
DILUTION FACTOR: 1                                1
SAMPLE ID   : 202201130731                        202201130731MSD
LAB SAMPLE ID : 22A134-01                          22A134-01S
LAB FILE ID  : LA19019A                            LA19025A
DATE PREPARED : 01/17/22 13:15                    01/17/22 13:15
DATE ANALYZED : 01/19/22 17:23                    01/19/22 19:10
PREP BATCH   : 22DSA011W                          22DSA011W
CALIBRATION REF: LA19005A                          LA19005A
=====
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP8	ND	2.60	3.00	115	2.65	2.63	99	13	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.520	0.515	99	0.530	0.565	107	60-130
Hexacosane	0.130	0.125	96	0.132	0.126	95	60-130

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