

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)

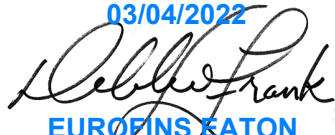
Laboratory Report

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

03/04/2022



**EUROFINS EATON
ANALYTICAL, LLC**



Utah ELCP CA00006

DEB: Debbie L Frank
Project Manager

Report: 986743
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
Enterococci	Enterolert	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x	
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x
Heterotrophic Bacteria	SM 9215 B	x	
Legionella	Legiolert®	x	
Pseudomonas aeruginosa	Idexx Pseudalart	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x	
Total Microcystins and Nodularins	EPA 546	X	
Yeast and Mold	SM 9610	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x	
1,4-Dioxane	EPA 522	x	
2,3,7,8-TCDD	Modified EPA 1613 B	x	
Acrylamide	* LCMS 2440)	x	
Algal Toxins/Microcystin	* LCMS 3570	x	
Alkalinity	SM 2320B	x	x
Ammonia	EPA 350.1, SM 4500-NH3 H		x
Asbestos	EPA 100.2	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x
BOD/CBOD	SM 5210 B		x
Bromate	* LCMS- 2447	x	
Carbonate as CO3	SM 2330 B	x	x
Carbonyls	EPA 556	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x
Chlorinated Acids	EPA 515.4	x	
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x	
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-CI G	x	
Color	SM2120B	x	
Conductivity	EPA 120.1, SM 2510B	x	x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x	
Cyanide (Amenable)	SM 4500-CN G	x	x
Cyanide (Free)	SM 4500CN F	x	x
Cyanide (Total)	EPA 335.4	x	x
Cyanogen Chloride (Screen)	* 335 Mod (WC-24467)	x	
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 Disinfection Byproducts	EPA 551.1	x	
EDTA and NTA	* WC-2454	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

Test(s)	Method(s)	Potable Water *	Waste Water
Gross Alpha coprecipitation	SM 7110 C	x	x
Hardness	SM 2340 B	x	x
Hexavalent Chromium	EPA 218.6,	x	x
Hexavalent Chromium	EPA 218.7,	x	
Hexavalent Chromium	SM 3500-Cr B		x
Inorganic Anions and DBPs	EPA 300.0	x	x
Norganic Anions and DBPs	EPA 300.1	x	
Kjeldahl Nitrogen	EPA 351.2		x
Metals	EPA 200.7, EPA200.8	x	x
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Odor	SM2150B	x	
Organohalide Pesticides and PCB	EPA 505	x	
Ortho Phosphate	SM 4500P E	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Perchlorate	EPA 331.0	x	
Perchlorate (Low and High Levels)	EPA 314.0	x	
Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
PPCP and EDC	* LCMS-2443	x	
pH	EPA 150.1 SM 4500-H+ B	x	x
Phenolics – Low Level	*WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
Phenylurea Pesticides/Herbicides	* LCMS-2448	x	
Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Radon-222	SM 7500RN	x	
Residue (Filterable)	SM 2540C	x	x
Residue (Non-Filterable)	SM 2540D		x
Residue (Total)	SM 2540B		x
Residue (Volatile)	EPA 160.4		x
Semi-Volatile Compounds	EPA 525.2	x	
Silica	SM 4500-SiO2 C	x	x
Sulfide	SM 4500-S D		x
Sulfite	SM 4500-SO3 B	x	x
Surfactants	SM 5540C	x	x
Taste and Odor	SM 6040 E	x	
Total Organic Carbon	SM 5310 C	x	x
Total Phenols	EPA 420.1		x
Total Phenols	EPA 420.4	x	x
Triazine Pesticides and their Degradates	* LCMS-3617	x	
Turbidity	EPA 180.1	x	x
Uranium by ICP/MS	EPA 200.8	x	
UV 254 Organic Constituents	SM 5910B	x	
VOCs	EPA 524.2	x	
VOCs	*(GCMS 2412) by EPA 524.2 modified	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 #: 986743
Project: RED-HILL
Sample Group: Red-Hill Expanded List
(Albuquerque+)
Project Manager: Debbie L Frank
Phone: (626) 386-1149
PO #: C20525101 exp 05312023

The following samples were received from you on **February 10, 2022** at **2026**. 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>202202110010</u>	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	02/08/2022 1204
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202202110011</u>	TRAVEL BLANK::AIEA GULCH WELLS PUMP 1 (331-201-TP071)	02/08/2022 1204
	(SUB)Gas Fraction Hydrocarbons	
<u>202202110012</u>	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	02/08/2022 1138
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202202110013</u>	TRAVEL BLANK::AIEA GULCH WELLS PUMP 2 -331-202-TP072	02/08/2022 1138
	(SUB)Gas Fraction Hydrocarbons	

Test Description

CHAIN OF CUSTODY RECORD

Eaton Analytical

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:

730 Royal Oaks Drive, Suite
Monrovia, CA 91016-3629

SAMPLES LOGGED IN BY:

SAMPLE TEMP RECEIVED AT:

Colton / No. California / Arizona

☒ Monrovia

°C (Compliance: 4 + 2 °C)

(Compliance: $4 \pm 2^\circ\text{C}$)

CONDITION OF BLUE ICE:	Frozen	Partially Frozen	Thawed	Wet Ice	No Ice
CONDITION OF BLUE ICE:	Frozen ✓				

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

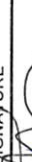
TO BE COMPLETED BY SAMPLER:

(check for ves)

(check for yes)

[illegible]

* **MATRIX TYPES:** RSW = Raw Surface Water
RGW = Raw Ground Water
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water
SEAW = Sea Water
WW = Waste Water
BW = Bottled Water
SW = Storm Water
SO = Soil
SL = Sludge
O = Other - Please Identify

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
	Lew Bailey	Honolulu Board of Water Supply	February 8, 2022	
	Lew Bailey	Honolulu Board of Water Supply	09 Feb 2022	1200
	Victor Pascanau	GA	2-10-22	2026



Eaton Analytical

Kit Order for BOARD OF WATER SUPPLY, CITY AND COUNTY OF

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

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

Created Date & Time: 1/3/2022 12:06:22AM

Kit #: 309376



Client ID: HONOLULU



Created By: - [AutoGenerated]

Deliver By: 02/02/2022

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 GULCH WELLS PUMP 2 - de

Note: Sampler Please return this paper with your samples

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 TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C	9 - 1L amber glass [1 ml Thio 8%]	9	
1 8015 Gas_C	3 - 40ml amber glass vial [1 drop Thio (8%)]	3	
1 @504MOD TB C, 8015 Gas_C TB	2 - 40ml amber glass vial [1 drop Thio (8%) + H2O]	2	
Sum Tests: 3		Sum Bottles: 14	

Comments

1st MS/MSD

SITE ID:
331-202 AIEA GULCH WELLS PUMP 2

SAMPLER:
EIGHT 1 LITER AMBER GLASS BOTTLES FOR 625 SERIES AND NINE 1 LITER AMBER GLASS BOTTLES FOR TPH 8015 SERIES. THIS IS A MSMSD SITE.

SHIPPING:
Travel Blanks - TBA/MTBE, VOASDWA - Prepare TBs in the VOA LAB.
Label Cooler on TOP and right below both Handles with Site description of contents (use extra Containmr 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



Eaton Analytical

Kit Order for BOARD OF WATER SUPPLY, CITY AND COUNTY OF

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

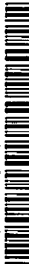
750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Created Date & Time: 1/3/2022 12:05:55AM

Kit #: 309374



Client ID: HONOLULU



Created By: - [AutoGenerated]

Deliver By: 02/02/2022

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 GULCH WELLS PUMP 1 33

Note: Sampler Please return this paper with your samples

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 TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C	6 - 1L amber glass [1 ml Thio 8%]	6	
1 8015 Gas_C	3 - 40ml amber glass vial [1 drop Thio (8%)]	3	
1 @504MOD TB C, 8015 Gas_C TB	2 - 40ml amber glass vial [1 drop Thio (8%) + H2O]	2	

Sum Tests: 3

Sum Bottles: 11

Comments

AIEA GULCH WELLS PUMP 1 331-201-TP071

SAMPLER:

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

SHIPPING:

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

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

ASM: Be sure to coordinate Follow-up as needed for any new detections in Field samples.

Acetone - follow-ups need to use EPA 624

Code

Status

Date Shipped

Via

Tracking #

of Coolers

Prepared By

INTERNAL CHAIN OF CUSTODY RECORD																																																																																																																			
eurofins Eaton Analytical EEA Folder Number: 82783		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 No																																																																																																																	
IR Gun ID = L30 Observation = -0.2 °C (Corr.Factor = 3.0 °C) (Final = -2.8 °C)		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																																																																																																																			
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: _____ 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(6251,652), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients: <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Samp ID</th> <th>Bottle #</th> <th>None/<8 mm</th> <th>>8mm</th> <th>Test</th> <th>Samp ID</th> <th>Bottle #</th> <th>None/<8 mm</th> <th>>8mm</th> <th>Test</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						Samp ID	Bottle #	None/<8 mm	>8mm	Test	Samp ID	Bottle #	None/<8 mm	>8mm	Test																																																																																																				
Samp ID	Bottle #	None/<8 mm	>8mm	Test	Samp ID	Bottle #	None/<8 mm	>8mm	Test																																																																																																										
Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): _____																																																																																																																			
RECEIVED BY: [Signature] SIGNATURE		PRINT NAME: Shawn Pascom PRINT NAME		COMPANY/TITLE: Eurofins Eaton Analytical DATE: 2-10-22 TIME: 2:02 PM																																																																																																															
SAMPLES CHECKED AGAINST COG BY: [Signature] SIGNATURE		PRINT NAME: Eurofins Eaton Analytical DATE: _____ TIME: _____		COMPANY/TITLE: Eurofins Eaton Analytical DATE: _____ TIME: _____																																																																																																															

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

Laboratory Comments

Report: 986743
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)

Laboratory Hits

Report: 986743
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

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

Samples Received on:
02/10/2022 2026

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)

Laboratory Data

Report: 986743
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

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

Samples Received on:
02/10/2022 2026

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>AIEA GULCH WELLS PUMP 1 (331-201-TP071) (202202110010)</u>						Sampled on 02/08/2022 1204			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/14/22	02/14/22 13:53			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
02/15/22	02/16/22 17:04			(SW 8015B)	TPH Diesel	ND	mg/L	0.029	1
02/15/22	02/16/22 17:04			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.058	1
EPA 8015 - Jet Fuel 5 C8-C18									
02/15/22	02/16/22 17:04			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.058	1
EPA 8015 - Jet Fuel 8 C8-C18									
	02/16/22 17:04			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.058	1
<u>TRAVEL BLANK::AIEA GULCH WELLS PUMP 1 (331-201-TP071) (202202110011)</u>						Sampled on 02/08/2022 1204			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/14/22	02/14/22 14:29			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>AIEA GULCH WELLS PUMP 2 (331-202-TP072) (202202110012)</u>						Sampled on 02/08/2022 1138			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/14/22	02/14/22 15:05			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
02/15/22	02/16/22 17:23			(SW 8015B)	TPH Diesel	ND	mg/L	0.03	1
02/15/22	02/16/22 17:23			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.059	1
EPA 8015 - Jet Fuel 5 C8-C18									
02/15/22	02/16/22 17:23			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.059	1
EPA 8015 - Jet Fuel 8 C8-C18									
	02/16/22 17:23			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.059	1
<u>TRAVEL BLANK::AIEA GULCH WELLS PUMP 2 -331-202-TP072 (202202110013)</u>						Sampled on 02/08/2022 1138			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/14/22	02/14/22 17:31			(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: 03-01-2022
EMAX Batch No.: 22B131

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 986743

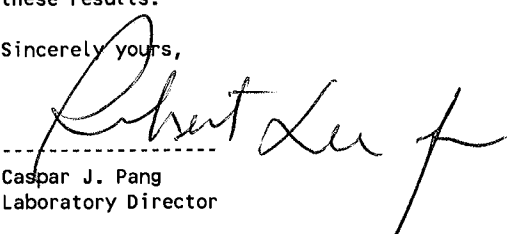
Enclosed is the Laboratory report for samples received on 02/11/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
-----	-----	-----	-----	-----
202202110010	B131-01	02/08/22	WATER	TPH GASOLINE TPH
202202110011	B131-02	02/08/22	WATER	TPH GASOLINE
202202110012	B131-03	02/08/22	WATER	TPH GASOLINE TPH
202202110013	B131-04	02/08/22	WATER	TPH GASOLINE
202202110012MS	B131-03M	02/08/22	WATER	TPH GASOLINE TPH
202202110012MSD	B131-03S	02/08/22	WATER	TPH GASOLINE TPH

The results are summarized on the following pages.

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

Sincerely yours,

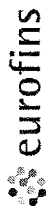


Caspar J. Pang
Laboratory Director

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 #: 986743
Report Due: 02/15/2022

Submittal Form

22B131

Date: 2/11/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # 986743 Job # 1000014

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

Reports: Jackie Contreras Sub-Contracting Administrator
EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com
Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
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

2-3 day rush

Sample ID: 202202110010
Client Sample ID for reference onl
AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Sample type: Sample Event:

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

SW 8015B
EPA 3550B
EPA 8015
EPA 8015
Jet Fuel 5 C8-C18
Jet Fuel 8 C8-C18

Sample ID: 202202110011
Client Sample ID for reference onl
TRAVEL BLANK: AIEA GULCH WELLS PUMP 1 (331-201-TP071)

Sample type: Sample Event:

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

SW 8015B

Relinquished by:

Sample Control

Date: 2/11/22 Time: 14:20

Received by:

Sample Control

Date: 2/11/22 Time: 14:20

Relinquished by:

Sample Control

Date: 2/11/22 Time: 14:20

Received by:

Sample Control

Date: 2/11/22 Time: 14:20

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Temp. 3.5/3.0, 3.2/2.7

Sample ID 202202110012	Client Sample ID for reference on! AIEA GULCH WELLS PUMP 2 (331-202-TP072)	22B131	Sample Date & Time 02/08/22 1138 DW	Clip Code	PWSID	JLS
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 202202110013	Client Sample ID for reference on! TRAVEL BLANK: AIEA GULCH WELLS PUMP 2 (331-202-TP072)		Sample Date & Time 02/08/22 1138 DW	Clip Code	PWSID	JLS
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:	11 Jan	Sample Control	Date	2/11/22	Time	11:20
Received by:	Ala R.		Date	2/11/22	Time	14:20
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	Airbill / Tracking Number	ECN 22 B131
☐ Fedex ☐ UPS ☐ GSO ☐ Others		Recipient Alan Ramas
☐ EMAX Courier ☒ Client Delivery		Date 02/11/22 Time 14:20

COC INSPECTION

☐ Client Name	☒ Client PM/FC	☐ Sampler Name	☒ Sampling Date/Time	☒ Sample ID	☒ Matrix
☒ Address	☒ Tel # / Fax #	☐ Courier Signature	☒ Analysis Required	☐ Preservative (if any)	☒ TAT
Safety Issues (if any)	☐ High concentrations expected	☐ From Superfund Site	☐ Rad screening required		
Note: _____					

PACKAGING INSPECTION

Container	☒ Cooler	☐ Box	☐ Other
Condition	☐ Custody Seal	☐ Intact	☐ Damaged
Packaging	☒ Bubble Pack	☐ Styrofoam	☐ Popcorn
Temperatures	☒ Cooler 1 <u>3.5/3.0</u> °C	☒ Cooler 2 <u>2.2/3.7</u> °C	☐ Cooler 3 _____°C
(Cool, ≤6 °C but not frozen)	☐ Cooler 6 _____°C	☐ Cooler 7 _____°C	☐ Cooler 8 _____°C
Thermometer:	A - S/N <u>210191066</u> <u>12/14</u>	B - S/N <u>210271396</u>	C - S/N <u>210271399</u>
Comments:	☐ Temperature is out of range. PM was informed IMMEDIATELY.		
Note:	☐ Sufficient		
	☐ Cooler 4 _____°C		
	☐ Cooler 5 _____°C		
	☐ Cooler 9 _____°C		
	☐ Cooler 10 _____°C		
	D - S/N _____		

DISCREPANCIES

[illegible]

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

NOTES/OBSERVATIONS:

LEGEND:

Code Description- Sample Management

- D1 Analysis is not indicated in _____
- D2 Analysis mismatch COC vs label
- D3 Sample ID mismatch COC vs label
- D4 Sample ID is not indicated in _____
- D5 Container -[improper] [leaking] [broken]
- D6 Date/Time is not indicated in _____
- D7 Date/Time mismatch COC vs label
- D8 Sample listed in COC is not received
- D9 Sample received is not listed in COC
- D10 No initial/date on corrections in COC/label
- D11 Container count mismatch COC vs received
- D12 Container size mismatch COC vs received

Code Description-Sample Management

- D13 Out of Holding Time
- D14 Bubble is >6mm
- D15 No trip blank in cooler
- D16 Preservation not indicated in _____
- D17 Preservation mismatch COC vs label
- D18 Insufficient chemical preservative
- D19 Insufficient Sample
- D20 No filtration info for dissolved analysis
- D21 No sample for moisture determination
- D22 Jet Fuel 8 Analysis not indicated on label
- D23 _____
- D24 _____

☐ Continue to next page.

Code Description-Sample Management

- R1 Proceed as indicated in ☐ COC ☐ Label
- R2 Refer to attached instruction
- R3 Cancel the analysis
- R4 Use vial with smallest bubble first
- R5 Log-in with latest sampling date and time+1 min
- R6 Adjust pH as necessary
- R7 Filter and preserved as necessary
- R8 Informed Client
- R9 _____
- R10 _____
- R11 _____
- R12 _____

REVIEWS:

Sample Labeling	Maria Rivera	Jocelyne Solis-Ramos
Date	02/11/22	02/11/22

SRF _____
Date 02/14/22

PM 145
Date 1/15/22

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

986743

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

SDG#: 22B131

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 986743

SDG : 22B131

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

A total of four(4) water samples were received on 02/11/22 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. VG39B08B - 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. VG39B08L/VG39B08C 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 B131-03M/B131-03S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

Client : EUROFINS EATON ANALYTICAL
Project : 986743
SDG NO. : 22B131
Instrument ID : GCT039

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction DateTime	Sample Data FN	Calibration Prep.		Notes
				Analysis DateTime				Data FN	Batch	
MBLK1W	VG39808B	1	NA	02/14/2212:03		02/14/2212:03	EB14005A	EB14003A	22VG39808	Method Blank
LCS1W	VG39808L	1	NA	02/14/2212:40		02/14/2212:40	EB14006A	EB14003A	22VG39808	Lab Control Sample (LCS)
LCD1W	VG39808C	1	NA	02/14/2213:16		02/14/2213:16	EB14007A	EB14003A	22VG39808	LCS Duplicate
202202110010	B131-01	1	NA	02/14/2213:53		02/14/2213:53	EB14008A	EB14003A	22VG39808	Field Sample
202202110011	B131-02	1	NA	02/14/2214:29		02/14/2214:29	EB14009A	EB14003A	22VG39808	Field Sample
202202110012	B131-03	1	NA	02/14/2215:05		02/14/2215:05	EB14010A	EB14003A	22VG39808	Field Sample
202202110012MS	B131-03M	1	NA	02/14/2215:42		02/14/2215:42	EB14011A	EB14003A	22VG39808	Matrix Spike Sample (MS)
202202110012MSD	B131-03S	1	NA	02/14/2216:18		02/14/2216:18	EB14012A	EB14003A	22VG39808	MS Duplicate (MSD)
202202110013	B131-04	1	NA	02/14/2217:31		02/14/2217:31	EB14014A	EB14013A	22VG39808	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

Client	: EUROFINs EATON ANALYTICAL	Date Collected:	02/08/22 12:04
Project	: 986743	Date Received:	02/11/22
Batch No.	: 22B131	Date Extracted:	02/14/22 13:53
Sample ID	: 202202110010	Date Analyzed:	02/14/22 13:53
Lab Samp ID:	B131-01	Dilution Factor:	1
Lab File ID:	EB14008A	Matrix:	WATER
Ext Btch ID:	22VG39B08	% Moisture:	NA
Calib. Ref.:	EB14003A	Instrument ID:	39

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	0.0320	0.0400	80	60-140

Parameter	H-C Range
Gasoline	C6-C10
Reported ND at RL quantitated per pattern recognition.	

Page 10 of 41
Page 21 of 52 pages

Client	: EUROFINS EATON ANALYTICAL	Date Collected:	02/08/22 12:04
Project	: 986743	Date Received:	02/11/22
Batch No.	: 22B131	Date Extracted:	02/14/22 14:29
Sample ID	: 202202110011	Date Analyzed:	02/14/22 14:29
Lab Samp ID:	B131-02	Dilution Factor:	1
Lab File ID:	EB14009A	Matrix:	WATER
Ext Btch ID:	22VG39B08	% Moisture:	NA
Calib. Ref.:	EB14003A	Instrument ID:	39

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	0.0328	0.0400	82	60-140

Parameter	H-C Range
Gasoline	C6-C10
Reported ND at RL quantitated per pattern recognition.	

Page 11 of 41
Page 22 of 52 pages

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

```

=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 11:38
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                      Date Extracted: 02/14/22 15:05
Sample ID   : 202202110012                Date Analyzed: 02/14/22 15:05
Lab Samp ID : B131-03                     Dilution Factor: 1
Lab File ID : EB14010A                    Matrix: WATER
Ext Btch ID : 22VG39B08                   % Moisture: NA
Calib. Ref. : EB14003A                    Instrument ID: 39
=====

```

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	0.0323	0.0400	81	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

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

```
=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 11:38
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                      Date Extracted: 02/14/22 17:31
Sample ID   : 202202110013                Date Analyzed: 02/14/22 17:31
Lab Samp ID : B131-04                     Dilution Factor: 1
Lab File ID : EB14014A                    Matrix: WATER
Ext Btch ID : 22VG39B08                   % Moisture: NA
Calib. Ref. : EB14013A                    Instrument ID: 39
=====
```

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	0.0312	0.0400	78	60-140

=====

Notes:

Parameter H-C Range
Gasoline C6-C10
Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

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

QC SUMMARIES

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

```
=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/14/22 12:03
Project     : 986743                      Date Received: 02/14/22
Batch No.   : 22B131                     Date Extracted: 02/14/22 12:03
Sample ID    : MBLK1W                    Date Analyzed: 02/14/22 12:03
Lab Samp ID : VG39B08B                   Dilution Factor: 1
Lab File ID : EB14005A                   Matrix: WATER
Ext Btch ID : 22VG39B08                  % Moisture: NA
Calib. Ref. : EB14003A                   Instrument ID: 39
=====
```

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	0.0317	0.0400	79	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 : 986743
BATCH NO. : 22B131
METHOD : 5030B/8015B

```
=====
MATRIX      : WATER                                % MOISTURE:NA
DILUTION FACTOR: 1                                1
SAMPLE ID    : MBLK1W                             LCS1W                             LCD1W
LAB SAMPLE ID : VG39B08B                         VG39B08L                         VG39B08C
LAB FILE ID   : EB14005A                         EB14006A                         EB14007A
DATE PREPARED : 02/14/22 12:03                   02/14/22 12:40                   02/14/22 13:16
DATE ANALYZED : 02/14/22 12:03                   02/14/22 12:40                   02/14/22 13:16
PREP BATCH    : 22VG39B08                         22VG39B08                         22VG39B08
CALIBRATION REF: EB14003A                         EB14003A                         EB14003A
```

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	0.483	97	0.500	0.461	92	5	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0412	103	0.0400	0.0404	101	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 : 986743
BATCH NO. : 22B131
METHOD : 5030B/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1 1
SAMPLE ID : 202202110012 202202110012MS 202202110012MSD
LAB SAMPLE ID : B131-03 B131-03M B131-03S
LAB FILE ID : EB14010A EB14011A EB14012A
DATE PREPARED : 02/14/22 15:05 02/14/22 15:42 02/14/22 16:18
DATE ANALYZED : 02/14/22 15:05 02/14/22 15:42 02/14/22 16:18
PREP BATCH : 22VG39B08 22VG39B08 22VG39B08
CALIBRATION REF: EB14003A EB14003A EB14003A

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	0.494	99	0.500	0.480	96	3	50-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0416	104	0.0400	0.0406	102	60-140

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

986743

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22B131

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 986743

SDG : 22B131

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 02/11/22 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. DSB019WB - 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 DSB019WL. 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. Diesel was within MS QC limits in 22B131-03M/22B131-03S. 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

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: 986743

SDG : 22B131

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 02/11/22 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. DSB019WB - 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 J5B019WL. 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 22B131-03M/22B131-03S. 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

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: 986743

SDG : 22B131

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 02/11/22 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. DSB019WB - 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 J8B019WL. 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 22B131-03M/22B131-03S. 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

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

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project     : 986743
=====
SDG NO.    : 22B131
Instrument ID : D5
=====

```

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction DateTime	Sample Data FN	Calibration Prep.		Notes
				Analysis DateTime				Data FN	Batch	
MBLK1W	DSB019WB	1	NA	02/16/2215:51		02/15/2214:45	LB16009A	LB16003A	22DSB019W	Method Blank
LCS1W	DSB019WL	1	NA	02/16/2216:09		02/15/2214:45	LB16010A	LB16003A	22DSB019W	Lab Control Sample (LCS)
202202110010	B131-01	1	NA	02/16/2217:04		02/15/2214:45	LB16013A	LB16003A	22DSB019W	Field Sample
202202110012	B131-03	1	NA	02/16/2217:23		02/15/2214:45	LB16014A	LB16003A	22DSB019W	Field Sample
202202110012MS	B131-03M	1	NA	02/16/2217:41		02/15/2214:45	LB16015A	LB16003A	22DSB019W	Matrix Spike Sample (MS)
202202110012MSD	B131-03S	1	NA	02/16/2218:00		02/15/2214:45	LB16016A	LB16003A	22DSB019W	MS Duplicate (MSD)

```

FN      - Filename
% Moist - Percent Moisture

```

LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL
Project : 986743
SDG NO. : 22B131
Instrument ID : D5

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction Date/Time	Sample Data FN	Calibration Prep.		Notes
				Analysis Date/Time				Data FN	Batch	
MBLK1W	DSB019WB	1	NA	02/16/2215:51		02/15/2214:45	LB16009A	LB16004A	22DSB019W	Method Blank
LCS1W	J5B019WL	1	NA	02/16/2216:27		02/15/2214:45	LB16011A	LB16004A	22DSB019W	Lab Control Sample (LCS)
202202110010	B131-01	1	NA	02/16/2217:04		02/15/2214:45	LB16013A	LB16004A	22DSB019W	Field Sample
202202110012	B131-03	1	NA	02/16/2217:23		02/15/2214:45	LB16014A	LB16004A	22DSB019W	Field Sample
202202110012MS	B131-03M	1	NA	02/16/2218:18		02/15/2214:45	LB16017A	LB16004A	22DSB019W	Matrix Spike Sample (MS)
202202110012MSD	B131-03S	1	NA	02/16/2218:36		02/15/2214:45	LB16018A	LB16004A	22DSB019W	MS Duplicate (MSD)

FN - Filename
% Moist - Percent Moisture

LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL SDG NO. : 22B131
Project : 986743 Instrument ID : D5

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis DateTime						
MBLK1W	DSB019WB	1	NA	02/16/2215:51		02/15/2214:45	LB16009A	LB16005A	22DSB019W	Method Blank
LCS1W	J8B019WL	1	NA	02/16/2216:46		02/15/2214:45	LB16012A	LB16005A	22DSB019W	Lab Control Sample (LCS)
202202110010	B131-01	1	NA	02/16/2217:04		02/15/2214:45	LB16013A	LB16005A	22DSB019W	Field Sample
202202110012	B131-03	1	NA	02/16/2217:23		02/15/2214:45	LB16014A	LB16005A	22DSB019W	Field Sample
202202110012MS	B131-03M	1	NA	02/16/2218:55		02/15/2214:45	LB16019A	LB16005A	22DSB019W	Matrix Spike Sample (MS)
202202110012MSD	B131-03S	1	NA	02/16/2219:13		02/15/2214:45	LB16020A	LB16005A	22DSB019W	MS Duplicate (MSD)

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```
=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 12:04
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                      Date Extracted: 02/15/22 14:45
Sample ID   : 202202110010                Date Analyzed: 02/16/22 17:04
Lab Samp ID : 22B131-01                    Dilution Factor: 1
Lab File ID : LB16013A                     Matrix: WATER
Ext Btch ID : 22DSB019W                    % Moisture: NA
Calib. Ref.: LB16003A                      Instrument ID: D5
=====
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
Diesel	ND	0.029	0.014
Motor Oil	ND	0.058	0.029

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.543	0.575	94	60-130
Hexacosane	0.139	0.144	96	60-130

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 870ml Final Volume : 5ml
Prepared by : P0reto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 12:04
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                     Date Extracted: 02/15/22 14:45
Sample ID   : 202202110010               Date Analyzed: 02/16/22 17:04
Lab Samp ID : 22B131-01                  Dilution Factor: 1
Lab File ID : LB16013A                    Matrix: WATER
Ext Btch ID : 22DSB019W                  % Moisture: NA
Calib. Ref. : LB16004A                   Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.058	0.029	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.543	0.575	94	60-130
Hexacosane	0.139	0.144	96	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 : 870ml Final Volume : 5ml

Prepared by : P0reto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 12:04
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                      Date Extracted: 02/15/22 14:45
Sample ID   : 202202110010                Date Analyzed: 02/16/22 17:04
Lab Samp ID : 22B131-01                    Dilution Factor: 1
Lab File ID : LB16013A                     Matrix: WATER
Ext Btch ID : 22DSB019W                    % Moisture: NA
Calib. Ref. : LB16005A                     Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP8	ND	0.058	0.029

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.543	0.575	94	60-130
Hexacosane	0.139	0.144	96	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 : 870ml Final Volume : 5ml
 Prepared by : P0reto Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 11:38
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                      Date Extracted: 02/15/22 14:45
Sample ID   : 202202110012                Date Analyzed: 02/16/22 17:23
Lab Samp ID : 22B131-03                    Dilution Factor: 1
Lab File ID : LB16014A                      Matrix: WATER
Ext Btch ID : 22DSB019W                    % Moisture: NA
Calib. Ref. : LB16003A                     Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
Diesel	ND	0.030	0.015
Motor Oil	ND	0.059	0.030

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.589	0.595	99	60-130
Hexacosane	0.144	0.149	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 : 840ml Final Volume : 5ml
Prepared by : POrto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```
=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 11:38
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                      Date Extracted: 02/15/22 14:45
Sample ID   : 202202110012                Date Analyzed: 02/16/22 17:23
Lab Samp ID : 22B131-03                    Dilution Factor: 1
Lab File ID : LB16014A                     Matrix: WATER
Ext Btch ID : 22DSB019W                    % Moisture: NA
Calib. Ref. : LB16004A                     Instrument ID: D5
=====
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP5	ND	0.059	0.030

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.589	0.595	99	60-130
Hexacosane	0.144	0.149	97	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 : 840ml Final Volume : 5ml
 Prepared by : P0reto Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/08/22 11:38
Project     : 986743                      Date Received: 02/11/22
Batch No.   : 22B131                      Date Extracted: 02/15/22 14:45
Sample ID   : 202202110012                Date Analyzed: 02/16/22 17:23
Lab Samp ID : 22B131-03                    Dilution Factor: 1
Lab File ID : LB16014A                     Matrix: WATER
Ext Btch ID : 22DSB019W                    % Moisture: NA
Calib. Ref. : LB16005A                     Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP8	ND	0.059	0.030

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.589	0.595	99	60-130
Hexacosane	0.144	0.149	97	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 : 840ml Final Volume : 5ml
 Prepared by : P0reto Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```
=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 02/15/22 14:45
Project     : 986743                     Date Received: 02/15/22
Batch No.   : 22B131                     Date Extracted: 02/15/22 14:45
Sample ID    : MBLK1W                     Date Analyzed: 02/16/22 15:51
Lab Samp ID : DSB019WB                     Dilution Factor: 1
Lab File ID : LB16009A                     Matrix: WATER
Ext Btch ID : 22DSB019W                     % Moisture: NA
Calib. Ref. : LB16003A                     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	0.444	0.500	89	60-130
Hexacosane	0.117	0.125	94	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 : P0reto Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986743
BATCH NO. : 22B131
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSB019WB DSB019WL
LAB FILE ID : LB16009A LB16010A
DATE PREPARED : 02/15/22 14:45 02/15/22 14:45
DATE ANALYZED : 02/16/22 15:51 02/16/22 16:09
PREP BATCH : 22DSB019W 22DSB019W
CALIBRATION REF: LB16003A LB16003A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Diesel	ND	2.50	2.65	106	50-130

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.559	112	60-130
Hexacosane	0.125	0.120	96	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986743
BATCH NO. : 22B131
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1 1
SAMPLE ID : 202202110012 202202110012MS 202202110012MSD
LAB SAMPLE ID : 22B131-03 22B131-03M 22B131-03S
LAB FILE ID : LB16014A LB16015A LB16016A
DATE PREPARED : 02/15/22 14:45 02/15/22 14:45 02/15/22 14:45
DATE ANALYZED : 02/16/22 17:23 02/16/22 17:41 02/16/22 18:00
PREP BATCH : 22DSB019W 22DSB019W 22DSB019W
CALIBRATION REF: LB16003A LB16003A LB16003A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.97	3.35	113	2.95	3.27	111	2	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.595	0.635	107	0.590	0.619	105	60-130
Hexacosane	0.149	0.145	97	0.148	0.147	100	60-130

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 02/15/22 14:45
Project     : 986743                      Date Received: 02/15/22
Batch No.   : 22B131                      Date Extracted: 02/15/22 14:45
Sample ID   : MBLK1W                      Date Analyzed: 02/16/22 15:51
Lab Samp ID : DSB019WB                    Dilution Factor: 1
Lab File ID : LB16009A                    Matrix: WATER
Ext Btch ID : 22DSB019W                   % Moisture: NA
Calib. Ref. : LB16004A                    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	0.444	0.500	89	60-130
Hexacosane	0.117	0.125	94	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 : POrto

Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986743
BATCH NO. : 22B131
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSB019WB J5B019WL
LAB FILE ID : LB16009A LB16011A
DATE PREPARED : 02/15/22 14:45 02/15/22 14:45
DATE ANALYZED : 02/16/22 15:51 02/16/22 16:27
PREP BATCH : 22DSB019W 22DSB019W
CALIBRATION REF: LB16004A LB16004A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
JP5	ND	2.50	2.36	94	30-160

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.532	106	60-130
Hexacosane	0.125	0.119	95	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986743
BATCH NO. : 22B131
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : 202202110012 202202110012MS 202202110012MSD
LAB SAMPLE ID : 22B131-03 22B131-03M 22B131-03S
LAB FILE ID : LB16014A LB16017A LB16018A
DATE PREPARED : 02/15/22 14:45 02/15/22 14:45 02/15/22 14:45
DATE ANALYZED : 02/16/22 17:23 02/16/22 18:18 02/16/22 18:36
PREP BATCH : 22DSB019W 22DSB019W 22DSB019W
CALIBRATION REF: LB16004A LB16004A LB16004A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.75	2.98	108	2.72	2.66	98	11	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.550	0.576	105	0.545	0.499	92	60-130
Hexacosane	0.138	0.133	97	0.136	0.126	92	60-130

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 02/15/22 14:45
Project     : 986743                     Date Received: 02/15/22
Batch No.   : 22B131                     Date Extracted: 02/15/22 14:45
Sample ID   : MBLK1W                     Date Analyzed: 02/16/22 15:51
Lab Samp ID : DSB019WB                   Dilution Factor: 1
Lab File ID : LB16009A                   Matrix: WATER
Ext Btch ID : 22DSB019W                  % Moisture: NA
Calib. Ref.: LB16005A                    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	0.444	0.500	89	60-130
Hexacosane	0.117	0.125	94	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 : 986743
BATCH NO. : 22B131
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSB019WB J8B019WL
LAB FILE ID : LB16009A LB16012A
DATE PREPARED : 02/15/22 14:45 02/15/22 14:45
DATE ANALYZED : 02/16/22 15:51 02/16/22 16:46
PREP BATCH : 22DSB019W 22DSB019W
CALIBRATION REF: LB16005A LB16005A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
JP8	ND	2.50	2.34	94	30-160

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.512	102	60-130
Hexacosane	0.125	0.125	100	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986743
BATCH NO. : 22B131
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1 1
SAMPLE ID : 202202110012 202202110012MS 202202110012MSD
LAB SAMPLE ID : 22B131-03 22B131-03M 22B131-03S
LAB FILE ID : LB16014A LB16019A LB16020A
DATE PREPARED : 02/15/22 14:45 02/15/22 14:45 02/15/22 14:45
DATE ANALYZED : 02/16/22 17:23 02/16/22 18:55 02/16/22 19:13
PREP BATCH : 22DSB019W 22DSB019W 22DSB019W
CALIBRATION REF: LB16005A LB16005A LB16005A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP8	ND	2.85	2.44	86	2.72	2.37	87	3	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.570	0.575	101	0.545	0.487	89	60-130
Hexacosane	0.142	0.137	96	0.136	0.133	98	60-130

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