

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Honolulu Board of Water Supply
630 South Beretania Street
Public Service Bldg." Room 308
Honolulu, HI 96843
Attention: Erwin Kawata
Fax: 808-550-5018

Date of Issue
04/20/2022

Rinda Seddas
EUROFINS EATON
ANALYTICAL, LLC



Utah ELCP CA00006

DEB: Debbie L Frank
Project Manager

Report: 996077
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022) - EMAX

* 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 17025:2017 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 Pseudalert	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/Microcys in	+ 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-Cl 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 Disinfect ion 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 #: 996077
 Project: RED-HILL
 Sample Group: Weekly TPH-8015_RED-HILL (2022)
 - EMAX
 Project Manager: Debbie L Frank
 Phone: (626) 386-1149
 PO #: C20525101 exp 05312023

The following samples were received from you on **March 31, 2022 at 1406**. 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>202203310121</u>	AIEA GULCH WELLS P1 (331-201-TP071) SDWIS PWSID: HI0000331 SDWIS FACILITY ID: TP071 SDWIS SAMPLE POINT ID: 201 (SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	03/29/2022 1102
<u>202203310122</u>	AIEA GULCH WELLS P2 (331-202-TP072) SDWIS PWSID: HI0000331 SDWIS FACILITY ID: TP072 DWI AMPLE POINT ID 202 (SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	03/29/2022 1123
<u>202203310123</u>	TB:AIEA GULCH WELLS P1 (331-201-TP071) (SUB)Gas Fraction Hydrocarbons	03/29/2022 1102
<u>202203310124</u>	TB:AIEA GULCH WELLS P2 (331-202-TP072) (SUB)Gas Fraction Hydrocarbons	03/29/2022 1123

Test Description

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:

Phone: 626 386 1100
 Fax: 626 386 1101

SAMPLE TEMP RECEIVED AT:

Cotton / No. California / Arizona
 Monrovia

3.9 °C (Compliance: 4 ± 2 °C)
 °C (Compliance: 4 ± 2 °C)

CONDITION OF BLUE ICE: Frozen Partially Frozen Thawed Wet Ice No Ice
METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other:

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

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME:
 BWS HONOLULU

PROJECT CODE:
 RED HILL

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

- Requires state forms
 ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA,....)

REGULATION INVOLVED:
 SEE ATTACHED BOTTLE ORDER FOR ANALYSES (check for yes), OR

EEA CLIENT CODE:
 COC ID:

SAMPLE GROUP:

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

TAT requested: rush by adv notice only STD 1 wk 3 day 2 day 1 day

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX	FIELD DATA	FIELD DATA	Temp Blank: °C	SAMPLER COMMENTS
03-29-22	1102	Aiea Gulch Wells Pump 1	HI0000331-201	CFW			X	Red Hill Mar. 2022
03-29-22	1123	Aiea Gulch Wells Pump 2	HI0000331-202	CFW			X	

* **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

SIGNED BY: [Signature]
REINQUISHED BY: [Signature]
RECEIVED BY: [Signature]
REINQUISHED BY: [Signature]
RECEIVED BY: [Signature]

SIGNED BY:	PRINT NAME	COMPANY/TITLE	DATE	TIME
[Signature]	Lew Bailey	Honolulu Board of Water Supply	March 29, 2022	
[Signature]	Lew Bailey	Honolulu Board of Water Supply	30 March 2022	1200
[Signature]	Carm Brueck	[Signature]	3.31.22	1406

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

Kit #: 310070

Created By: - [AutoGenerated]
Deliver By: 02/09/2022
STG: Bottle Orders

Ice Type: G
Pre Registered

Note: Sampler Please return this paper with your samples

Client ID: HONOLULU

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) -

Ship Sample Kits to
Honolulu Board of Water Supply
630 South Beretania Street
Chemistry Lab
Honolulu, HI 96843
Attn: Ron Fenstermacher
Phone: 808-746-5841
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 B_C	6	
1	8015 Gas_C	3	
1	@504MOD TB C 8015 Gas_C TB	2	
Sum Tests: 3		Sum Bottles: 11	

Comments

AIEA WELLS PUMPS 4&2 (260) (334-303-32400)

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 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

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: anycoff

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 = 4.1 °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: _____

VOA and Radon: 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(6251,52), 505, SPME, @CH, 532LCMS, 555, 535, Anatoxin, LCMS methods using 40 ml vials, International clients:

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

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

SIGNATURE	PRINT NAME	DATE	TIME
<u>Chris Beck</u>	<u>Chris Beck</u>	<u>3-31-22</u>	<u>1406</u>
SIGNATURE	PRINT NAME	DATE	TIME

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

SHIP DATE: 30MAR22
 ACTWGT: 58.00 LB
 CAD: 100205419/MNET4460

BILL RECIPIENT

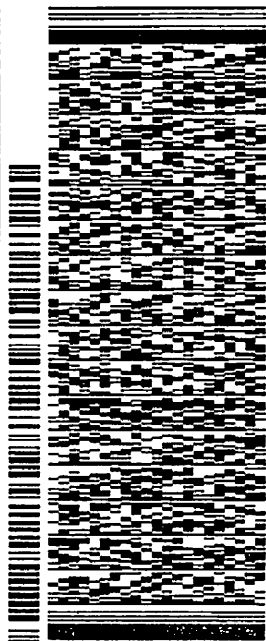
TO

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

56DUJ1M3BFE4A

DEPT

PO



THU - 31 MAR 10:30A
PRIORITY OVERNIGHT

1 of 3
 TRK# 7764 4849 4493
 0201
 ## MASTER ##

WZ WHPA
 91016
 BUR
 CA-US



After printing this label:
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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 Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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

Laboratory Comments

Report: 996077
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022)
- EMAX

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

Folder Comments

Analytical results for TPH 8015 Gas, Diesel and Motor Oil are submitted by Emax Laboratories, Inc. Torrance, CA



Eaton Analytical

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

Laboratory Hits

Report: 996077
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022)
- EMAX

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

Samples Received on:
03/31/2022 1406

Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL
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SUMMARY OF POSITIVE DATA ONLY

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

Report: 996077
Project: RED-HILL
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 - EMAX

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

Samples Received on:
 03/31/2022 1406

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>AIEA GULCH WELLS P1 (331-201-TP071) (202203310121)</u>						Sampled on 03/29/2022 1102			
Facility ID: TP071									
Sample Point ID: 201									
PWSID: HI0000331									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/04/22	04/04/22 17:13			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
04/04/22	04/07/22 23:19			(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
04/04/22	04/07/22 23:19			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.047	1
<u>AIEA GULCH WELLS P2 (331-202-TP072) (202203310122)</u>						Sampled on 03/29/2022 1123			
Facility ID: TP072									
Sample Point ID: 202									
PWSID: HI0000331									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/04/22	04/04/22 16:37			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
04/04/22	04/07/22 23:37			(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
04/04/22	04/07/22 23:37			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.047	1
<u>TB:AIEA GULCH WELLS P1 (331-201-TP071) (202203310123)</u>						Sampled on 03/29/2022 1102			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/04/22	04/04/22 16:00			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>TB:AIEA GULCH WELLS P2 (331-202-TP072) (202203310124)</u>						Sampled on 03/29/2022 1123			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/04/22	04/04/22 15:24			(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: 04-19-2022
EMAX Batch No.: 22D003

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 996077

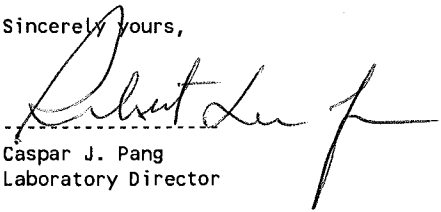
Enclosed is the Laboratory report for samples received on 04/01/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
202203310121	D003-01	03/29/22	WATER	TPH GASOLINE TPH DIESEL & MOTOR OIL
202203310122	D003-02	03/29/22	WATER	TPH GASOLINE TPH DIESEL & MOTOR OIL
202203310123	D003-03	03/29/22	WATER	TPH GASOLINE
202203310124	D003-04	03/29/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

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

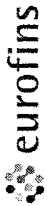
Sincerely yours,


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 #: 996077 Report Due: 04/07/2022

Submittal Form 22D003

Date: 4/1/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers! Report & Invoice must have the Folder # 996077 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-MonroviaSubContracting@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

2-3 day rush

Sample ID 202203310121 Client Sample ID for reference onl AIEA GULCH WELLS P1 (331-201-TP071) Sample Date & Time Matrix 03/29/22 1102 DW Clip Code PWSID JLS

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

Method SW 8015B EPA 5030C Analysis Requested (SUB)Gas Fraction Hydrocarbons
SW 8015B EPA 3550B TPH 8015 Diesel and Motor Oil

Sample ID 202203310122 Client Sample ID for reference onl AIEA GULCH WELLS P2 (331-202-TP072) Sample Date & Time Matrix 03/29/22 1123 DW Clip Code PWSID JLS

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

Method SW 8015B EPA 5030C Analysis Requested (SUB)Gas Fraction Hydrocarbons
SW 8015B EPA 3550B TPH 8015 Diesel and Motor Oil

Sample ID 202203310123 Client Sample ID for reference onl TB/AIEA GULCH WELLS P1 (331-201-TP071) Sample Date & Time Matrix 03/29/22 1102 DW Clip Code PWSID JLS

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

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

Relinquished by: [Signature] Date 4/1/22 Time 10:16
Received by: [Signature] Date 4/1/22 Time 10:16
Relinquished by: Sample Control Date Time
Received by: Sample Control Date Time

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

Temp. 0.8/1.0 1
0.5/0.7 2

Sample ID 202203310124	Client Sample ID for reference on/ TB/AIEA GULCH WELLS P2 (331-302-TP072)	22D003	Sample Date & Time 03/28/22 11:23 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Facility ID:	Sample Point ID:	Static ID:		

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

Relinquished by: WJF Sample Control Date: 4/1/22 Time: 10:16 NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

Received by: [Signature] Date: 4/1/22 Time: 10:16 An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Relinquished by: _____ Sample Control Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Type of Delivery <input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> GSO <input type="checkbox"/> Others	Airbill / Tracking Number	ECN 22D003
<input type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery		Recipient Alan Ramos
		Date 04/01/22 Time 10:16

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 *correction	<input checked="" type="checkbox"/> Cooler	<input type="checkbox"/> Box	<input type="checkbox"/> Other
Condition Factor:	<input type="checkbox"/> Custody Seal	<input type="checkbox"/> Intact	<input type="checkbox"/> Damaged
Packaging +0.2	<input checked="" type="checkbox"/> Bubble Pack	<input type="checkbox"/> Styrofoam	<input type="checkbox"/> Popcorn
Temperatures +0.2	<input checked="" type="checkbox"/> Cooler 1 0.8/1.0°C	<input checked="" type="checkbox"/> Cooler 2 0.5/0.7°C	<input type="checkbox"/> Cooler 3 _____ °C
(Cool, ≤6 °C but not frozen)	<input type="checkbox"/> Cooler 6 _____ °C	<input type="checkbox"/> Cooler 7 _____ °C	<input type="checkbox"/> Cooler 4 _____ °C
Thermometer: A-S/N 210583479	B-S/N _____	C-S/N 210271399	<input type="checkbox"/> Cooler 5 _____ °C
			<input type="checkbox"/> Cooler 8 _____ °C
			<input type="checkbox"/> Cooler 9 _____ °C
			<input type="checkbox"/> Cooler 10 _____ °C

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

Note: _____

DISCREPANCIES

LabSampleID	LabSampleContainerID	Code	ClientSample Label ID / Information	Corrective Action
3.4	22,23	D1*		R1
1.2	4-9, 13-21	D22	JPS on label	
3.4	22,23	D7	Label date reads 2-2-22, second label reads correct date/time	R1 ↓

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: *** received only 1 vial for sample, COC requests gas.** AS 4/1/22

SAMPLE MATRIX IS DRINKING WATER? YES NO

- LEGEND:**
- | | | |
|--|--|---|
| <p>Code Description-Sample Management</p> <p>D1 Analysis is not indicated in <u>label</u></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>D22 Jet fuel 5 Analysis not indicated on COC</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 _____</p> <p>R9 _____</p> <p>R10 _____</p> <p>R11 _____</p> <p>R12 _____</p> |
|--|--|---|

REVIEWS:

Sample Labeling **Maria Rivera** SRF **Quintero**
 Date **04/01/22** Date **4/1/22**

PM **AS**
Date **4/1/22**

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

996077

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

SDG#: 22D003

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 996077

SDG : 22D003

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

A total of four(4) water samples were received on 04/01/22 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. VG55D01B - 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. VG55D01L/VG55D01C 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 D011-01M/D011-01S. 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.

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

Client : EUROFINS EATON ANALYTICAL
Project : 996077

SDG NO. : 22D003
Instrument ID : GCT055

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLKTW	VG55D01B	1	NA	04/04/2213:35	04/04/2213:35	UD04006A	UD04004A	22VG55D01	Method Blank
LCS1W	VG55D01L	1	NA	04/04/2214:11	04/04/2214:11	UD04007A	UD04004A	22VG55D01	Lab Control Sample (LCS)
LCD1W	VG55D01C	1	NA	04/04/2214:47	04/04/2214:47	UD04008A	UD04004A	22VG55D01	LCS Duplicate
202203310124	D003-04	1	NA	04/04/2215:24	04/04/2215:24	UD04009A	UD04004A	22VG55D01	Field Sample
202203310123	D003-03	1	NA	04/04/2216:00	04/04/2216:00	UD04010A	UD04004A	22VG55D01	Field Sample
202203310122	D003-02	1	NA	04/04/2216:37	04/04/2216:37	UD04011A	UD04004A	22VG55D01	Field Sample
202203310121	D003-01	1	NA	04/04/2217:13	04/04/2217:13	UD04012A	UD04004A	22VG55D01	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/29/22 11:02
Project     : 996077                      Date Received: 04/01/22
Batch No.   : 22D003                      Date Extracted: 04/04/22 17:13
Sample ID   : 202203310121              Date Analyzed: 04/04/22 17:13
Lab Samp ID: D003-01                    Dilution Factor: 1
Lab File ID: UD04012A                   Matrix: WATER
Ext Btch ID: 22VG55D01                  % Moisture: NA
Calib. Ref.: UD04004A                   Instrument ID: 55
=====

```

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	0.0347	0.0400	87	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: 03/29/22 11:23
Project : 996077 Date Received: 04/01/22
Batch No. : 22D003 Date Extracted: 04/04/22 16:37
Sample ID : 202203310122 Date Analyzed: 04/04/22 16:37
Lab Samp ID: D003-02 Dilution Factor: 1
Lab File ID: UD04011A Matrix: WATER
Ext Btch ID: 22VG55D01 % Moisture: NA
Calib. Ref.: UD04004A Instrument ID: 55
=====

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	0.0353	0.0400	88	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: 03/29/22 11:02
Project    : 996077                       Date Received: 04/01/22
Batch No.  : 22D003                       Date Extracted: 04/04/22 16:00
Sample ID  : 202203310123                 Date Analyzed: 04/04/22 16:00
Lab Samp ID: D003-03                      Dilution Factor: 1
Lab File ID: UD04010A                    Matrix: WATER
Ext Btch ID: 22VG55D01                   % Moisture: NA
Calib. Ref.: UD04004A                    Instrument ID: 55
=====

```

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	0.0342	0.0400	85	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: 03/29/22 11:23
Project    : 996077                      Date Received: 04/01/22
Batch No.  : 22D003                      Date Extracted: 04/04/22 15:24
Sample ID  : 202203310124                Date Analyzed: 04/04/22 15:24
Lab Samp ID: D003-04                    Dilution Factor: 1
Lab File ID: UD04009A                   Matrix: WATER
Ext Btch ID: 22VG55D01                  % Moisture: NA
Calib. Ref.: UD04004A                   Instrument ID: 55
=====
  
```

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	0.0352	0.0400	88	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: 04/04/22 13:35
Project : 996077 Date Received: 04/04/22
Batch No. : 22D003 Date Extracted: 04/04/22 13:35
Sample ID : MBLK1W Date Analyzed: 04/04/22 13:35
Lab Samp ID: VG55D01B Dilution Factor: 1
Lab File ID: UD04006A Matrix: WATER
Ext Btch ID: 22VG55D01 % Moisture: NA
Calib. Ref.: UD04004A Instrument ID: 55
=====

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	0.0356	0.0400	89	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 : 996077
BATCH NO. : 22D003
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W         LCD1W
LAB SAMPLE ID : VG55D01B                         VG55D01L     VG55D01C
LAB FILE ID  : UD04006A                         UD04007A     UD04008A
DATE PREPARED : 04/04/22 13:35                 04/04/22 14:11 04/04/22 14:47
DATE ANALYZED : 04/04/22 13:35                 04/04/22 14:11 04/04/22 14:47
PREP BATCH   : 22VG55D01                       22VG55D01    22VG55D01
CALIBRATION REF: UD04004A                       UD04004A     UD04004A
  
```

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	0.489	98	0.500	0.498	100	2	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0456	114	0.0400	0.0456	114	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 : 996369
BATCH NO. : 22D011
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202204010310                       202204010310MS
LAB SAMPLE ID : D011-01                           D011-01S
LAB FILE ID  : UD04019A                           UD04020A
DATE PREPARED : 04/04/22 21:28                   04/04/22 22:04
DATE ANALYZED : 04/04/22 21:28                   04/04/22 22:04
PREP BATCH   : 22VG55D01                           22VG55D01
CALIBRATION REF: UD04013A                           UD04013A
  
```

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	0.462	92	0.500	0.465	93	1	50-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0435	109	0.0400	0.0437	109	60-140

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

996077

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22D003

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 996077

SDG : 22D003

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 04/01/22 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. DSD004WB - 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. DSD004WL/DSD004WC 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 22C372-01M/22C372-01S. 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

=====
 Client : EUROFINS EATON ANALYTICAL
 Project : 996077
 =====
 SDG NO. : 22D003
 Instrument ID : D5
 =====

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis Date/Time	Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes

=====
 WATER
 =====
 FN - Filename
 % Moist - Percent Moisture
 =====

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/29/22 11:02
Project     : 996077                     Date Received: 04/01/22
Batch No.   : 22D003                     Date Extracted: 04/04/22 10:00
Sample ID   : 202203310121              Date Analyzed: 04/07/22 23:19
Lab Samp ID: 22D003-01                   Dilution Factor: 1
Lab File ID: LD07039A                    Matrix: WATER
Ext Btch ID: 22DSD004W                   % Moisture: NA
Calib. Ref.: LD07027A                    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	0.468	0.470	99	60-130
Hexacosane	0.113	0.118	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 : 1060ml Final Volume : 5ml
Prepared by : JMuert Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/29/22 11:23
Project     : 996077                      Date Received: 04/01/22
Batch No.   : 22D003                      Date Extracted: 04/04/22 10:00
Sample ID   : 202203310122               Date Analyzed: 04/07/22 23:37
Lab Samp ID: 22D003-02                   Dilution Factor: 1
Lab File ID: LD07040A                    Matrix: WATER
Ext Btch ID: 22DSD004W                    % Moisture: NA
Calib. Ref.: LD07027A                     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	0.464	0.470	99	60-130
Hexacosane	0.122	0.118	104	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 : JMuert Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 04/04/22 10:00
Project    : 996077                       Date Received: 04/04/22
Batch No.  : 22D003                       Date Extracted: 04/04/22 10:00
Sample ID  : MBLK1W                       Date Analyzed: 04/07/22 20:33
Lab Samp ID: DSD004WB                    Dilution Factor: 1
Lab File ID: LD07030A                    Matrix: WATER
Ext Btch ID: 22DSD004W                   % Moisture: NA
Calib. Ref.: LD07027A                    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	0.516	0.500	103	60-130
Hexacosane	0.124	0.125	99	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    : JMuert          Analyzed by  : SDeeso

```

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 996077
BATCH NO. : 22D003
METHOD : 3520C/8015B

```
=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W           LCD1W
LAB SAMPLE ID : DSD004WB                         DSD004WL       DSD004WC
LAB FILE ID  : LD07030A                         LD07031A       LD07032A
DATE PREPARED : 04/04/22 10:00                 04/04/22 10:00 04/04/22 10:00
DATE ANALYZED : 04/07/22 20:33                 04/07/22 20:51 04/07/22 21:09
PREP BATCH   : 22DSD004W                       22DSD004W     22DSD004W
CALIBRATION REF: LD07027A                       LD07027A     LD07027A
```

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	2.66	106	2.50	2.92	117	9	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromobenzene	0.500	0.487	97	0.500	0.506	101	60-130
Hexacosane	0.125	0.123	98	0.125	0.127	102	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 : 995860
BATCH NO. : 22C372
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                                % MOISTURE:NA
DILUTION FACTOR: 1                                1
SAMPLE ID   : 202203300424                        202203300424MSD
LAB SAMPLE ID : 22C372-01                          22C372-01S
LAB FILE ID  : LD07033A                            LD07035A
DATE PREPARED : 04/04/22 10:00                     04/04/22 10:00
DATE ANALYZED : 04/07/22 21:28                     04/07/22 22:05
PREP BATCH   : 22DSD004W                           22DSD004W
CALIBRATION REF: LD07027A                           LD07027A
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.60	2.66	102	2.60	2.97	114	11	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.520	0.487	94	0.520	0.484	93	60-130
Hexacosane	0.130	0.131	101	0.130	0.121	93	60-130

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