

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: 995830
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 |
| 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 #: 995830

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 30, 2022 at 1424**. 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 |
|--------------|---------------------------------|-------------------------------|
| 202203300364 | HALAWA WELLS P2 (331-024-WL064) | 03/28/2022 1031 |
| | SDWIS PWSID: HI0000331 | |
| | SDWIS FACILITY ID: WL064 | |
| | SDWIS SAMPLE POINT ID: 024 | |
| | (SUB)Gas Fraction Hydrocarbons | TPH 8015 Diesel and Motor Oil |

Test Description



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 995830

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 = 649A (Observation = 3.4 °C) (Corr.Factor -0.3 °C) (Final = 3.1 °C)

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

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

Compliance Acceptance Criteria:

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

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

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

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

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

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

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

Headspace Documentation (use additional VOC and Radon internal COFC for additional bottles)

Exempt from headspace concerns: Methods 515.4, HAA(6251,662), 505, SPME, @CH, 532LCMS, 556, 536, 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 | COMPANY/TITLE | DATE | TIME |
| | G. PEITNER | Eurofins Eaton Analytical | 03-30-2022 | 14:24 |
| SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
| | | Eurofins Eaton Analytical | | |



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 995830

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 = 649A (Observation = 6.0 °C) (Corr. Factor 0.3 °C) (Final = 5.7 °C)

TYPE OF ICE: Real Synthetic No Ice 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 Headspace: | | No Samples with Headspace: | | Samples with Headspace (see below): | |
|--------------------------|----------|----------------------------|------|-------------------------------------|----------|
| Samp ID | Bottle # | None/<6 | >6mm | Samp ID | Bottle # |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Headspace Documentation (use additional VOC and Radon internal COFC for additional bottles)
Exempt from headspace concerns: Methods 515.4, HAA(6251, 552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

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

| | | | | |
|-----------|------------|---------------------------|------------|-------|
| SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
| | G. REITNER | Eurofins Eaton Analytical | 03 30 2022 | 14:24 |
| SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
| | | Eurofins Eaton Analytical | | |



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

995830

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 = 649A (Observation = 5.5 °C) (Corr.Factor -0.3 °C) (Final = 5.2 °C)

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

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

Compliance Acceptance Criteria:

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

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

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

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

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

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

7) VOA and Radon Headspace:

No Samples with Headspace:

Samples with Headspace (see below):

Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles)

Exempt from headspace concerns: Methods 515-4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 536, 536, 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 | COMPANY/TITLE | DATE | TIME |
| | G. RETNER | Eurofins Eaton Analytical | 03-30-2022 | 14:24 |
| SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
| | | Eurofins Eaton Analytical | | |

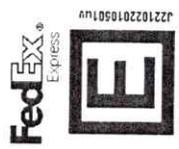
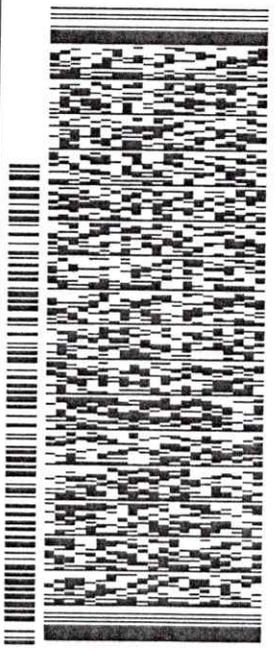
ORIGIN ID:HIKA (808) 748-5840 SHIP DATE: 29MAR22
 BWS CHEMLAB ACTWGT: 62.00 LB
 HONOLULU BOARD OF WATER SUPPLY CAD: 100205419/INNET4460
 630 S. BERETANIA ST.
 CHEMICAL LABORATORY
 HONOLULU, HI 96843
 UNITED STATES US

TO BILL RECIPIENT

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

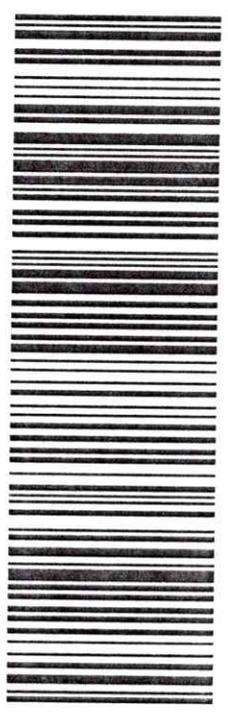
96DU1ME3B/FE4A

PO DEPT INV



1 of 3
 TRK# 7764 3199 9221
 0201
 ## MASTER ##
WZ WHPA
 91016
 BUR
 CA-US

WED - 30 MAR 10:30A
 PRIORITY OVERNIGHT



After printing this label:
 1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
 2. Fold the printed page along the horizontal line.
 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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

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

SHIP DATE: 29MAR22
ACTWGT: 62.00 LB
CAD: 100205419/INET4460

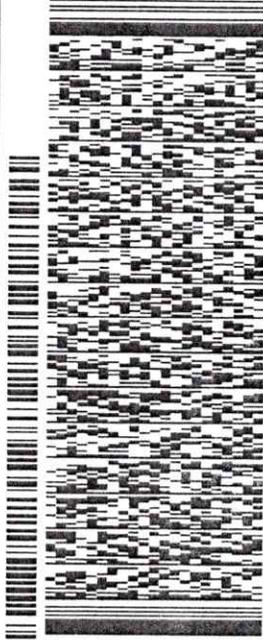
BILL RECIPIENT

TO

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100
MONROVIA CA 91016

INV (626) 386-1178 REF

PO DEPT



WED - 30 MAR 10:30A
PRIORITY OVERNIGHT

2 of 3

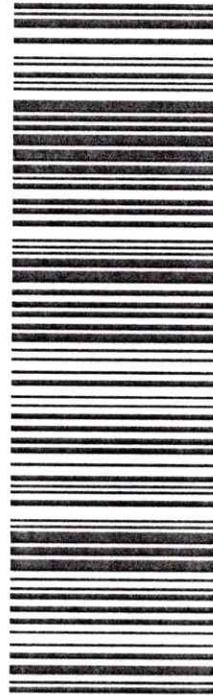
MPS# 7764 3199 9162

0263 Mstr# 7764 3199 9221

0201

WZ WHPA

91016
BUR
CA-US



56DUJ1E38/FE4A

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

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

SHIP DATE: 29MAR22
ACTWGT: 62.00 LB
CAD: 100205419/NET4460

BILL RECIPIENT

TO

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100
MONROVIA CA 91016

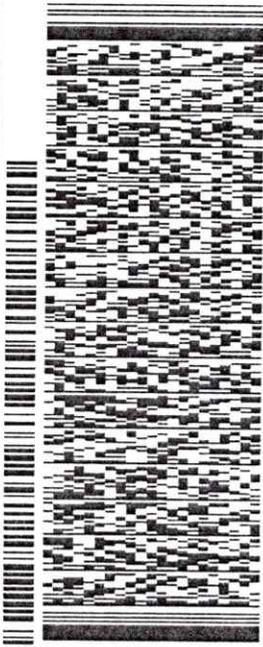
(626) 386-1178

REF.

INV. PO.

DEPT.

56DJ1ME3B/FE4A



J221022010501UV

WED - 30 MAR 10:30A
PRIORITY OVERNIGHT

3 of 3

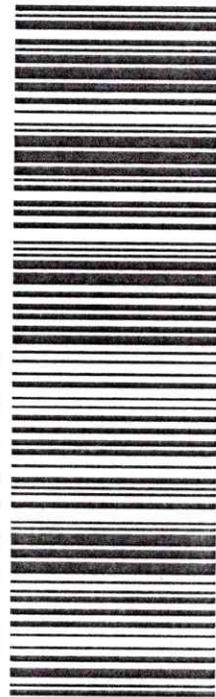
MPS# 7764 3199 9714

0263

Mstr# 7764 3199 9221

0201

WZ WHPA **91016**
CA-US **BUR**



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, 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: 995830
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: 995830
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:
03/30/2022 1424

| Analyzed | Analyte | Sample ID | Result | HI Limit | Units | MRL |
|----------|---------|-----------|--------|----------|-------|-----|
|----------|---------|-----------|--------|----------|-------|-----|

SUMMARY OF POSITIVE DATA ONLY

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

Laboratory Data

Report: 995830
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:
 03/30/2022 1424

| Prepped | Analyzed | Prep Batch | Analytical Batch | Method | Analyte | Result | Units | MRL | Dilution |
|--|----------------|------------|------------------|------------|--------------------------------|-----------------------------------|-------|-------|----------|
| <u>HALAWA WELLS P2 (331-024-WL064) (202203300364)</u> | | | | | | Sampled on 03/28/2022 1031 | | | |
| Facility ID: WL064 | | | | | | | | | |
| Sample Point ID: 024 | | | | | | | | | |
| PWSID: HI0000331 | | | | | | | | | |
| SW 8015B - (SUB)Gas Fraction Hydrocarbons | | | | | | | | | |
| 04/01/22 | 04/01/22 21:39 | | | (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 22:42 | | | (SW 8015B) | TPH Diesel | ND | mg/L | 0.026 | 1 |
| 04/04/22 | 04/07/22 22:42 | | | (SW 8015B) | TPH Motor Oil | ND | mg/L | 0.052 | 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: 04-15-2022
EMAX Batch No.: 22C374

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 995830

Enclosed is the Laboratory report for samples received on 03/31/22.
The data reported relate only to samples listed below :

| Sample ID | Control # | Col Date | Matrix | Analysis |
|--------------|-----------|----------|--------|--|
| 202203300364 | C374-01 | 03/28/22 | WATER | TPH GASOLINE TPH DIESEL & MOTOR OIL |

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 #: 995830 Report Due: 04/01/2022

Sample ID: 202203300364 Client Sample ID for reference on: HALAWA WELLS P2 (331-024-WL064)

Sample type: Sample Event: Sample ID: Static ID:

Method: SW 8015B EPA 3550B (SUB)Gas Fraction Hydrocarbons Analysis Requested

Prep Method: EPA 3550B EPA 5030C TPH 8015 Diesel and Motor Oil

Sample Date & Time Matrix: 03/28/22 1031 DW Clip Code: PWSID: JLS

Submittal Form

Date: 3/31/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers! Report & Invoice must have the Folder# 995830 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@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

Relinquished by: Sample Control Date: 3/31/22 Time: 11:57

Received by: Sample Control Date: 3/31/22 Time: 11:57

Relinquished by: Sample Control Date: 0.5/0.7 Time: 1

Received by: Sample Control Date: 3.2/3.4 Time: 2

Received by: Sample Control Date: 4.5/4.7 Time: 3

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Temp: 0.5/0.7 (1)
3.2/3.4 (2)
4.5/4.7 (3)

| | | |
|---|---------------------------|--|
| Type of Delivery <input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> GSO <input type="checkbox"/> Others <input type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery | Airbill / Tracking Number | ECN <u>22C374</u> Recipient <u>Alan Ramos</u> Date <u>03/31/22</u> Time <u>11:57</u> |
|---|---------------------------|--|

COC INSPECTION

| | | | | | |
|---|---|--|--|--|--|
| <input checked="" type="checkbox"/> Client Name | <input checked="" type="checkbox"/> Client PM/FC | <input type="checkbox"/> Sampler Name | <input checked="" type="checkbox"/> Sampling Date/Time | <input checked="" type="checkbox"/> Sample ID | <input checked="" type="checkbox"/> Matrix |
| <input checked="" type="checkbox"/> Address | <input checked="" type="checkbox"/> Tel # / Fax # | <input type="checkbox"/> Courier Signature | <input checked="" type="checkbox"/> Analysis Required | <input type="checkbox"/> Preservative (if any) | <input 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 <u>*CORRECTION</u> | <input checked="" type="checkbox"/> Cooler | <input type="checkbox"/> Box | <input type="checkbox"/> Other |
| Condition <u>FACTORY:</u> | <input checked="" type="checkbox"/> Custody Seal | <input type="checkbox"/> Intact | <input type="checkbox"/> Damaged |
| Packaging <u>to 2</u> | <input checked="" type="checkbox"/> Bubble Pack | <input type="checkbox"/> Styrofoam | <input type="checkbox"/> Popcorn |
| Temperatures (Cool, ≤6 °C but not frozen) | <input checked="" type="checkbox"/> Cooler 1 <u>0.5/0.7 °C</u> | <input checked="" type="checkbox"/> Cooler 2 <u>32/3.4 °C</u> | <input checked="" type="checkbox"/> Cooler 3 <u>34.5/4.7 °C</u> |
| Thermometer: <u>1 - S/N 210583479</u> | <input type="checkbox"/> Cooler 6 _____ °C | <input type="checkbox"/> Cooler 7 _____ °C | <input type="checkbox"/> Cooler 8 _____ °C |
| | <input type="checkbox"/> Cooler 9 _____ °C | <input type="checkbox"/> Cooler 10 _____ °C | |

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

Note: _____

DISCREPANCIES

| LabSampleID | LabSampleContainerID | Code | ClientSample Label ID / Information | Corrective Action |
|-----------------|----------------------|-----------|---|-------------------|
| <u>1</u> | <u>4-9</u> | <u>D1</u> | <u>JCT Fuel 5 Analysis indicated on label, not on COC</u> | <u>R1</u> |
| <u>03/31/22</u> | | | | |

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:

SAMPLE MATRIX IS DRINKING WATER? YES NO

LEGEND:

Code Description-Sample Management

- D1 Analysis is not indicated in COC
- 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 _____
- 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 _____
- R9 _____
- R10 _____
- R11 _____
- R12 _____

REVIEWS:

Sample Labeling Maria Rivera
Date 03/31/22

SRF Alpina
Date 03/31/22

PM MB
Date 3/31/22

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

995830

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

SDG#: 22C374

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 995830

SDG : 22C374

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

One(1) water sample was received on 03/31/22 to be analyzed for Total Petroleum Hydrocarbons by Purge And Trap in accordance with Method 5030B/8015B and project specific requirements.

Holding Time

The sample was analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. VGH7D01B - 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. VGH7D01L/VGH7D01C 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 C372-01M/C372-01S. 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

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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

```

=====
Client      : EUROFINs EATON ANALYTICAL
Project     : 995830
SDG NO.    : 22C374
Instrument ID : H7
=====
  
```

| Client Sample ID | Laboratory Sample ID | Dilution Factor | % Moist | WATER | | Extraction DateTime | Sample Data FN | Calibration Data FN | Prep. Batch | Notes |
|------------------|----------------------|-----------------|---------|-------------------|---------------|---------------------|----------------|---------------------|--------------------------|-------|
| | | | | Analysis DateTime | % Moist | | | | | |
| MBLK1W | VGH7D01B | 1 | NA | 04/01/2210:55 | 04/01/2210:55 | AD01005A | AD01003A | 22VGH7D01 | Method Blank | |
| LCS1W | VGH7D01L | 1 | NA | 04/01/2211:29 | 04/01/2211:29 | AD01006A | AD01003A | 22VGH7D01 | Lab Control Sample (LCS) | |
| LCD1W | VGH7D01C | 1 | NA | 04/01/2212:04 | 04/01/2212:04 | AD01007A | AD01003A | 22VGH7D01 | LCS Duplicate | |
| 202203300364 | C374-01 | 1 | NA | 04/01/2221:39 | 04/01/2221:39 | AD01017A | AD01010A | 22VGH7D01 | Field Sample | |

```

FN      - Filename
% Moist - Percent Moisture
  
```

SAMPLE RESULTS

QC SUMMARIES

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 04/01/22 10:55
Project    : 995830                       Date Received: 04/01/22
Batch No.  : 22C374                       Date Extracted: 04/01/22 10:55
Sample ID  : MBLK1W                       Date Analyzed: 04/01/22 10:55
Lab Samp ID: VGH7D01B                     Dilution Factor: 1
Lab File ID: AD01005A                     Matrix: WATER
Ext Btch ID: 22VGH7D01                    % Moisture: NA
Calib. Ref.: AD01003A                    Instrument ID: H7
=====

```

| PARAMETERS | RESULTS (mg/L) | RL (mg/L) | MDL (mg/L) | | |
|----------------------|-------------------|--------------|---------------|----------|--|
| GASOLINE | ND | 0.020 | 0.010 | | |
| SURROGATE PARAMETERS | RESULT | SPK_AMT | %RECOVERY | QC LIMIT | |
| Bromofluorobenzene | 0.0379 | 0.0400 | 95 | 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 : 995830
BATCH NO. : 22C374
METHOD : 5030B/8015B

| | | |
|--------------------------------|----------------|----------------|
| MATRIX : WATER | | % MOISTURE:NA |
| DILUTION FACTOR: 1 | 1 | 1 |
| SAMPLE ID : MBLK1W | LCS1W | LCD1W |
| LAB SAMPLE ID : VGH7D01B | VGH7D01L | VGH7D01C |
| LAB FILE ID : AD01005A | AD01006A | AD01007A |
| DATE PREPARED : 04/01/22 10:55 | 04/01/22 11:29 | 04/01/22 12:04 |
| DATE ANALYZED : 04/01/22 10:55 | 04/01/22 11:29 | 04/01/22 12:04 |
| PREP BATCH : 22VGH7D01 | 22VGH7D01 | 22VGH7D01 |
| CALIBRATION REF: AD01003A | AD01003A | AD01003A |

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 | 0.436 | 87 | 0.500 | 0.459 | 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 | 0.0431 | 108 | 0.0400 | 0.0454 | 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 : 995860
BATCH NO. : 22C372
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202203300424                      202203300424MSD
LAB SAMPLE ID : C372-01                          C372-01S
LAB FILE ID  : AD01011A                          AD01012A
              : AD01011A                          AD01013A
DATE PREPARED : 04/01/22 18:08                   04/01/22 18:43
              : 04/01/22 18:08                   04/01/22 19:18
DATE ANALYZED : 04/01/22 18:08                   04/01/22 18:43
              : 04/01/22 18:08                   04/01/22 19:18
PREP BATCH   : 22VGH7D01                          22VGH7D01
CALIBRATION REF: AD01010A                          AD01010A
    
```

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 | 0.354 | 71 | 0.500 | 0.376 | 75 | 6 | 50-130 | 30 |

| SURROGATE PARAMETER | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | QCLimit (%) |
|---------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|----------------|
| Bromofluorobenzene | 0.0400 | 0.0375 | 94 | 0.0400 | 0.0391 | 98 | 60-140 |

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

995830

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22C374

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 995830

SDG : 22C374

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 03/31/22 to be analyzed for Total Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B and project specific requirements.

Holding Time

The sample was analyzed within the prescribed holding time.

Calibration

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

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

Matrix spike sample was prepared and analyzed at a frequency required by the project. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 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

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

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/28/22 10:31
Project    : 995830                       Date Received: 03/31/22
Batch No.  : 22C374                       Date Extracted: 04/04/22 10:00
Sample ID  : 202203300364                Date Analyzed: 04/07/22 22:42
Lab Samp ID: 22C374-01                    Dilution Factor: 1
Lab File ID: LD07037A                     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 | 0.026 | 0.013 | |
| Motor Oil | ND | 0.052 | 0.026 | |
| SURROGATE PARAMETERS | RESULT | SPK_AMT | %RECOVERY | QC LIMIT |
| Bromobenzene | 0.494 | 0.525 | 94 | 60-130 |
| Hexacosane | 0.135 | 0.131 | 103 | 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 : 950ml 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     : 995830                      Date Received: 04/04/22
Batch No.   : 22C374                      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 : 995830
BATCH NO. : 22C374
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 | 1 |
| SAMPLE ID | : 202203300424 | 202203300424MS | 202203300424MSD |
| LAB SAMPLE ID | : 22C372-01 | 22C372-01M | 22C372-01S |
| LAB FILE ID | : LD07033A | LD07034A | LD07035A |
| DATE PREPARED | : 04/04/22 10:00 | 04/04/22 10:00 | 04/04/22 10:00 |
| DATE ANALYZED | : 04/07/22 21:28 | 04/07/22 21:46 | 04/07/22 22:05 |
| PREP BATCH | : 22DSD004W | 22DSD004W | 22DSD004W |
| CALIBRATION REF: | LD07027A | 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