

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
04/11/2022

Rinda Seddas
EUROFINS EATON
ANALYTICAL, LLC



Utah ELCP CA00006

DEB: Debbie L Frank
Project Manager

Report: 994587
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022)

* 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

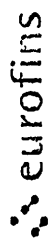
Client ID: HONOLULU
 Folder #: 994587
 Project: RED-HILL
 Sample Group: Weekly TPH-8015_RED-HILL (2022)

Project Manager: Debbie L Frank
 Phone: (626) 386-1149
 PO #: C20525101 exp 05312023

The following samples were received from you on **March 23, 2022** at 1133. 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>202203230224</u> | MOANALUA WELLS (331-223-TP202) | 03/21/2022 1054 |
| | (SUB)Gas Fraction Hydrocarbons | TPH 8015 Diesel and Motor Oil |
| | | TPH 8015 Jet Fuel 5 |
| | TPH 8015 Jef Fuel 8 | |
| <u>202203230225</u> | Travel Blanks | 03/21/2022 1054 |
| | (SUB)Gas Fraction Hydrocarbons | |

Test Description



Kit Order for Honolulu Board of Water Supply

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

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

Created Date & Time: 12/27/2021 12:07:03AM

Note: Sampler Please return this paper with your samples

Client ID: HONOLULU

Kit #: 308898

Project Code: RED-HILL Bottle Orders
Group Name: Red-Hill Expanded List (Albuquerque+)
PO#JOB#: C20525101 exp 05312023
Description: MOANALUA WELLS - Every 1 wee

Created By: - [AutoGenerated]
Deliver By: 01/26/2022
STG: Bottle Orders
Ice Type: G
Pre Registered

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

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

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

| # of Sample Tests | Bottle Qty - Type [preservative information] | Total | UN DOT # |
|---------------------|---|------------------------|-------------------|
| 1 | TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C | 9 | |
| 1 | 8015 Gas_C | 3 | |
| 1 | 8015 Gas_C TB | 2 | |
| | 8015 Gas_C TB | 3 | UN1789 |
| Sum Tests: 4 | | Sum Bottles: 17 | |

Comments

SITE ID:
~~MOANALUA WELLS - Every 1 wee~~

SAMPLER:
Eight 1 LITER AMBER GLASS BOTTLES FOR 625 SERIES AND Nine 1 LITER AMBER GLASS BOTTLES FOR TPH 8015 SERIES. THIS IS A MSMSD SITE for 600 and 8000 series testing

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 Contalentr 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

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

EEA Folder Number: 994587

IR Gun ID = 649A (Observation = 4.0 °C) (Corr. Factor 0.3 °C) (Final = 3.7 °C)
 TYPE OF ICE: Real Synthetic No Ice
 CONDITION OF ICE: Frozen Partially Frozen Thawed N/A

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

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

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

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

4 Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)
 5) pH Check. Manufacturer: _____ Lot Number: _____ pH strip type: 0 - 14 or _____ Expiration Date: _____ Results: _____
 6) Chlorine check. Manufacturer: Sansafe. Lot No.: _____ Expiration Date: _____ Results: _____

7) 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(6251,652), 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

| Samp ID | Bottle # | None/<6 | >6mm | Test | Samp ID | Bottle # | None/<6 | >6mm | Test |
|---------|----------|---------|------|------|---------|----------|---------|------|------|
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Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): _____

| | | | |
|---------------------------------------|--|-------------------------|--------------------|
| RECEIVED BY: _____ | PRINT NAME: _____ | DATE: _____ | TIME: _____ |
| SIGNATURE: <u>G. FEINER</u> | COMPANY/TITLE: Eurofins Eaton Analytical | DATE: <u>03-23-2022</u> | TIME: <u>11:53</u> |
| SIGNATURE: _____ | COMPANY/TITLE: Eurofins Eaton Analytical | DATE: _____ | TIME: _____ |
| SAMPLES CHECKED AGAINST COC BY: _____ | PRINT NAME: _____ | DATE: _____ | TIME: _____ |



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 994587

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 = 4.9 °C) (Corr. Factor = 0.3 °C) (Final = 4.6 °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 Headspace: | No Samples with Headspace: | Samples with Headspace (see below): |
|--|----------------------------|-------------------------------------|
| Exempt from headspace concerns: Methods 515-4, HAA-(6251,652), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients: | | |
| Samp ID | None/<8 | None/<8 |
| mm | >6mm | >6mm |
| Test | Test | Test |

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

| | | | | |
|-----------|------------|---------------------------|------------|-------|
| SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
| | G. REITER | Eurofins Eaton Analytical | 03/23/2022 | 11:33 |
| SIGNATURE | PRINT NAME | COMPANY/TITLE | DATE | TIME |
| | | Eurofins Eaton Analytical | | |

INTERNAL CHAIN OF CUSTODY RECORD

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

EEA Folder Number: 994587

IR Gun ID = 649A (Observation = 5.1 °C) (Corr. Factor = -0.3 °C) (Final = 4.8 °C)
 TYPE OF ICE: Real Synthetic No Ice CONDITION OF ICE: Frozen Partially Frozen Thawed N/A

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

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

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

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

4 Dioxin (1613 or 2,3,7,8 TCDD): must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)
 5) pH Check. Manufacturer: _____ Lot Number: _____ pH strip type: 0 - 14 or _____ Expiration Date: _____ Results: _____
 6) Chlorine check. Manufacturer: Sansafe. Lot No.: _____ Expiration Date: _____ Results: _____

7) Headspace: No Samples with Headspace: Samples with Headspace (see below):

VOA and Radon Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles)
 Exempt from headspace concerns: Methods 515.4, HAA-(6251,622), 506, SPME, @CH, 532LCMS, 550, 536, Anatoxin, LCMS methods using 40 ml vials, international clients:

| Samp ID | Bottle # | None/<6 | >6mm | Test | Samp ID | Bottle # | None/<6 | >6mm | Test |
|---------|----------|---------|------|------|---------|----------|---------|------|------|
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Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): _____

| | | | | |
|--|-------------------------------|---|-------------------------|--------------------|
| RECEIVED BY: <u>[Signature]</u> | PRINT NAME: <u>G. REITNER</u> | COMPANY/TITLE: <u>Eurolins Eaton Analytical</u> | DATE: <u>03-23-2022</u> | TIME: <u>11:33</u> |
| SAMPLES CHECKED AGAINST COG BY: <u>[Signature]</u> | PRINT NAME: <u>G. REITNER</u> | COMPANY/TITLE: <u>Eurolins Eaton Analytical</u> | DATE: _____ | TIME: _____ |

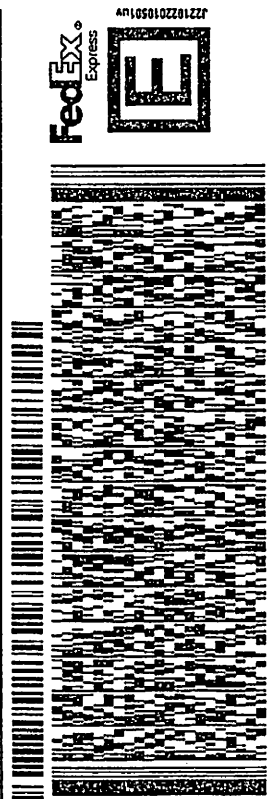
ORIGIN ID:HIKA (808) 748-5840
 BWS CHEMLAB
 HONOLULU BOARD OF WATER SUPPLY
 630 S. BERETANIA ST.
 CHEMICAL LABORATORY
 HONOLULU HI 96843
 UNITED STATES US

SHIP DATE: 22MAR22
 ACTWGT: 63.00 LB
 CAD: 100205419/INET4460

BILL RECIPIENT

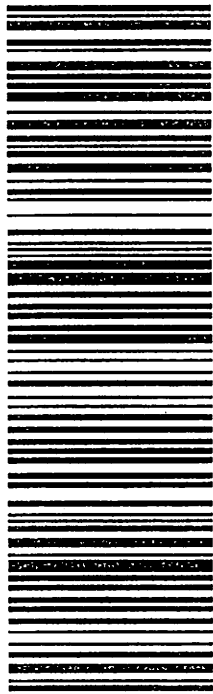
TO **C CHUCK**
EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100
MONROVIA CA 91016
 (626) 386-1178 REF:
 INV. PO. DEPT.

56DJ5/EB02/FE4A



1 of 3
 TRK# 7763 6717 1247
 0201
 ## MASTER ##
WZ WHPA
 91016
 CA-US
BUR

WED - 23 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.
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 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.

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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.

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

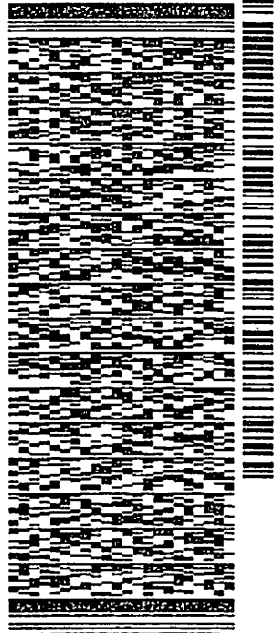
SHIP DATE: 22MAR22
ACTWGT: 63.00 LB
CAD: 100205419/NET4460

BILL RECIPIENT

TO C CHUCK

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100
MONROVIA CA 91016
REF: (926) 386-1178
INV: PO: DEPT:

56D.J5/EB02/FE4A



2 of 3

MPS# 7763 6717 1501
0263

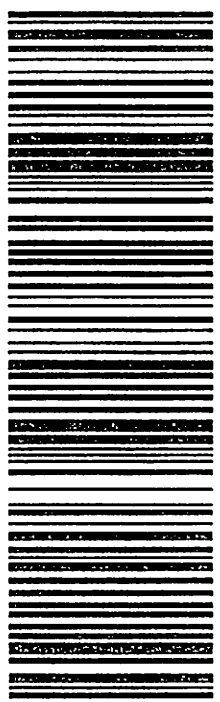
WED - 23 MAR 10:30A
PRIORITY OVERNIGHT

Mstr# 7763 6717 1247

0201

WZ WHPA

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ORIGIN ID:HIKA (808) 749-5840
BWS-CHEM-LAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST.
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US

SHIP DATE: 22MAR22
ACTWGT: 63.00 LB
CAD: 100205419/NET1460

BILL RECIPIENT

TO C CHUCK

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

56DJ5/EB02/FE4A



J221022010501uv

WED - 23 MAR 10:30A

PRIORITY OVERNIGHT

3 of 3

MPS# 7763 6717 1821

Mstr# 7763 6717 1247

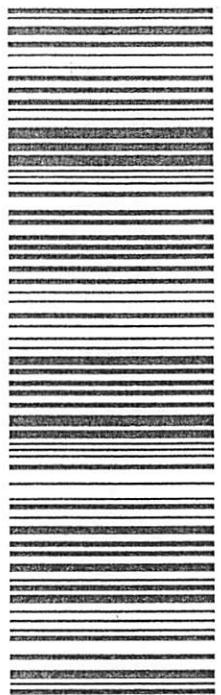
0201

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

Laboratory Comments**Report:** 994587**Project:** RED-HILL**Group:** Weekly TPH-8015_RED-HILL (2022)

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

Folder Comments

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



Eaton Analytical

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

Laboratory Hits

Report: 994587
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022)

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

Samples Received on:
03/23/2022 1133

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

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

Laboratory Data

Report: 994587
 Project: RED-HILL
 Group: Weekly TPH-8015_RED-HILL (2022)

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

Samples Received on:
 03/23/2022 1133

| Prepped | Analyzed | Prep Batch | Analytical Batch | Method | Analyte | Result | Units | MRL | Dilution |
|---|----------------|------------|------------------|------------|--------------------------------|-----------------------------------|-------|-------|----------|
| <u>MOANALUA WELLS (331-223-TP202) (202203230224)</u> | | | | | | Sampled on 03/21/2022 1054 | | | |
| SW 8015B - (SUB)Gas Fraction Hydrocarbons | | | | | | | | | |
| 03/24/22 | 03/24/22 13:21 | | | (SW 8015B) | (SUB)Gas Fraction Hydrocarbons | ND | mg/L | 0.02 | 1 |
| SW 8015B - TPH 8015 Diesel and Motor Oil | | | | | | | | | |
| 03/24/22 | 03/25/22 16:33 | | | (SW 8015B) | TPH Diesel | ND | mg/L | 0.027 | 1 |
| 03/24/22 | 03/25/22 16:33 | | | (SW 8015B) | TPH Motor Oil | ND | mg/kg | 0.053 | 1 |
| EPA 8015 - Jet Fuel 5 C8-C18 | | | | | | | | | |
| 03/24/22 | 03/25/22 16:33 | | | (EPA 8015) | Jet Fuel 5 | ND | mg/L | 0.053 | 1 |
| EPA 8015 - Jet Fuel 8 C8-C18 | | | | | | | | | |
| | 03/25/22 16:33 | | | (EPA 8015) | Jet Fuel 8 | ND | mg/L | 0.053 | 1 |
| <u>Travel Blanks (202203230225)</u> | | | | | | Sampled on 03/21/2022 1054 | | | |
| SW 8015B - (SUB)Gas Fraction Hydrocarbons | | | | | | | | | |
| 03/24/22 | 03/24/22 15:05 | | | (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: 04-01-2022
EMAX Batch No.: 22C279

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 994587

Enclosed is the Laboratory report for samples received on 03/23/22.
The data reported relate only to samples listed below :

| Sample ID | Control # | Col Date | Matrix | Analysis |
|-----------------|-----------|----------|--------|---------------------|
| 202203230224 | C279-01 | 03/21/22 | WATER | TPH GASOLINE TPH |
| 202203230225 | C279-02 | 03/21/22 | WATER | TPH GASOLINE |
| 202203230224MS | C279-01M | 03/21/22 | WATER | TPH GASOLINE TPH |
| 202203230224MSD | C279-01S | 03/21/22 | WATER | TPH GASOLINE TPH |

The results are summarized on the following pages.

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

Sincerely yours,

Caspar J. Pang
Laboratory Director

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

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

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



Eaton Analytical

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

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

Folder #: 994587
Report Due: 03/28/2022

Submittal Form

Date: 3/23/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # 994587 Job # 1000014

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

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

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

Samples from: HAWAII

2-3 day rush

Sample ID: 202203230224 Client Sample ID for reference onl: MOANALUA WELLS (331-223-TP202) Sample Date & Time Matrix: 03/21/22 1054 DW Clip Code: PWSID: JLS

Sample type: Sample Event: Analysis Requested: (SUB)Gas Fraction Hydrocarbons Facility ID: Sample Point ID: Static ID:

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

Sample ID: 202203230225 Client Sample ID for reference onl: Travel Blanks Sample Date & Time Matrix: 03/21/22 1054 DW Clip Code: PWSID: JLS

Sample type: Sample Event: Analysis Requested: (SUB)Gas Fraction Hydrocarbons Facility ID: Sample Point ID: Static ID:

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

Temp- 1.4/1.6 1.6/1.8 (CF= +0.2)

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Relinquished by: [Signature] Sample Control B. REIMER Date 3/23/22 Time 15:18
Received by: [Signature] Charles Oliver Date 3/23/22 Time 15:18
Relinquished by: [Signature] Sample Control Charles Oliver Date 3/23/22 Time 16:44
Received by: [Signature] Date 3/23/22 Time 16:44

| | | |
|---|---------------------------|--|
| 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>22C279</u> Recipient <u>JHOWIN Zamora</u> Date <u>3/23/22</u> Time <u>16:44</u> |
|---|---------------------------|--|

COC INSPECTION

| | | | | | |
|---|---|---|--|--|--|
| <input checked="" type="checkbox"/> Client Name | <input 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 type="checkbox"/> Tel # / Fax # | <input checked="" type="checkbox"/> Courier Signature | <input type="checkbox"/> Analysis Required | <input type="checkbox"/> Preservative (if any) | <input checked="" type="checkbox"/> TAT |
| Safety Issues (if any) Note: _____ | <input type="checkbox"/> High concentrations expected | <input type="checkbox"/> From Superfund Site | <input type="checkbox"/> Rad screening required | | |

PACKAGING INSPECTION

| | | | |
|---|--|--|---|
| Container <u>*Correction factor +0.2</u> | <input checked="" type="checkbox"/> Cooler | <input type="checkbox"/> Box | <input type="checkbox"/> Other |
| Condition | <input type="checkbox"/> Custody Seal | <input type="checkbox"/> Intact | <input type="checkbox"/> Damaged |
| Packaging | <input checked="" type="checkbox"/> Bubble Pack | <input type="checkbox"/> Styrofoam | <input type="checkbox"/> Popcorn |
| Temperatures (Cool, ≤6 °C but not frozen) | <input checked="" type="checkbox"/> Cooler 1 <u>1.4/1.6</u> °C | <input checked="" type="checkbox"/> Cooler 2 <u>1.6/1.8</u> °C | <input type="checkbox"/> Cooler 3 _____ °C |
| Thermometer: <u>A S/N 210583479</u> | <input type="checkbox"/> Cooler 6 _____ °C | <input type="checkbox"/> Cooler 7 _____ °C | <input type="checkbox"/> Cooler 4 _____ °C |
| | | | <input type="checkbox"/> Cooler 5 _____ °C |
| | | | <input type="checkbox"/> Cooler 8 _____ °C |
| | | | <input type="checkbox"/> Cooler 9 _____ °C |
| | | | <input type="checkbox"/> Cooler 10 _____ °C |
| | | | C - S/N _____ |
| | | | D - S/N _____ |

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

DISCREPANCIES

| LabSampleID | LabSampleContainerID | Code | ClientSample Label ID / Information | Corrective Action |
|-------------|----------------------|------|--|-------------------|
| 1 | 4-12 | D1 | 1 of fuel 8 not mentioned in label. | R1 |
| 2 | 13, 14 | D7 | Two date on label "3/21/22" and "2-2-22" | 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:

SAMPLE MATRIX IS DRINKING WATER? YES NO

LEGEND:

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

REVIEWS:

Sample Labeling JHOWIN Zamora
Date 3/23/22

SRF Quinta
Date 3/23/22

PM RB
Date 3/24/22

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

994587

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

SDG#: 22C279

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 994587

SDG : 22C279

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

A total of two(2) water samples were received on 03/23/22 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. VGH7C09B - 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. VGH7C09L/VGH7C09C 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 C279-01M/C279-01S. 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 : 994587
 SDG NO. : 22C279
 Instrument ID : H7

| Client Sample ID | Laboratory Sample ID | Dilution Factor | % Moist | Analysis DateTime | Extraction DateTime | Sample Data FN | Calibration Data FN | Prep. Batch | Notes |
|------------------|----------------------|-----------------|---------|-------------------|---------------------|----------------|---------------------|-------------|--------------------------|
| | | | | | | | | | WATER |
| MBLKTW | VGH7C09B | 1 | NA | 03/24/2211:38 | 03/24/2211:38 | AC24005A | AC24004A | 22VGH7C09 | Method Blank |
| LCS1W | VGH7C09L | 1 | NA | 03/24/2212:12 | 03/24/2212:12 | AC24006A | AC24004A | 22VGH7C09 | Lab Control Sample (LCS) |
| LOD1W | VGH7C09C | 1 | NA | 03/24/2212:47 | 03/24/2212:47 | AC24007A | AC24004A | 22VGH7C09 | LCS Duplicate |
| 202203230224 | C279-01 | 1 | NA | 03/24/2213:21 | 03/24/2213:21 | AC24008A | AC24004A | 22VGH7C09 | Field Sample |
| 202203230224MS | C279-01M | 1 | NA | 03/24/2213:56 | 03/24/2213:56 | AC24009A | AC24004A | 22VGH7C09 | Matrix Spike Sample (MS) |
| 202203230224MSD | C279-01S | 1 | NA | 03/24/2214:30 | 03/24/2214:30 | AC24010A | AC24004A | 22VGH7C09 | MS Duplicate (MSD) |
| 202203230225 | C279-02 | 1 | NA | 03/24/2215:05 | 03/24/2215:05 | AC24011A | AC24004A | 22VGH7C09 | 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: 03/21/22 10:54
Project    : 994587                       Date Received: 03/23/22
Batch No.  : 22C279                       Date Extracted: 03/24/22 13:21
Sample ID  : 202203230224                Date Analyzed: 03/24/22 13:21
Lab Samp ID: C279-01                     Dilution Factor: 1
Lab File ID: AC24008A                    Matrix: WATER
Ext Btch ID: 22VGH7C09                   % Moisture: NA
Calib. Ref.: AC24004A                    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 | 0.0384 | 0.0400 | 96 | 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: 03/21/22 10:54
Project     : 994587                     Date Received: 03/23/22
Batch No.   : 22C279                     Date Extracted: 03/24/22 15:05
Sample ID   : 202203230225              Date Analyzed: 03/24/22 15:05
Lab Samp ID: C279-02                     Dilution Factor: 1
Lab File ID: AC24011A                    Matrix: WATER
Ext Btch ID: 22VGH7C09                   % Moisture: NA
Calib. Ref.: AC24004A                    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 | 0.0357 | 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

QC SUMMARIES

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/24/22 11:38
Project    : 994587                       Date Received: 03/24/22
Batch No.  : 22C279                       Date Extracted: 03/24/22 11:38
Sample ID  : MBLK1W                       Date Analyzed: 03/24/22 11:38
Lab Samp ID: VGH7C09B                     Dilution Factor: 1
Lab File ID: AC24005A                     Matrix: WATER
Ext Btch ID: 22VGH7C09                   % Moisture: NA
Calib. Ref.: AC24004A                     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 | 0.0384 | 0.0400 | 96 | 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 : 994587
BATCH NO. : 22C279
METHOD : 5030B/8015B

| | | | |
|------------------|------------------|----------------|----------------|
| MATRIX | : WATER | | % MOISTURE:NA |
| DILUTION FACTOR: | 1 | 1 | 1 |
| SAMPLE ID | : MBLK1W | LCS1W | LCD1W |
| LAB SAMPLE ID | : VGH7C09B | VGH7C09L | VGH7C09C |
| LAB FILE ID | : AC24005A | AC24006A | AC24007A |
| DATE PREPARED | : 03/24/22 11:38 | 03/24/22 12:12 | 03/24/22 12:47 |
| DATE ANALYZED | : 03/24/22 11:38 | 03/24/22 12:12 | 03/24/22 12:47 |
| PREP BATCH | : 22VGH7C09 | 22VGH7C09 | 22VGH7C09 |
| CALIBRATION REF: | AC24004A | AC24004A | AC24004A |

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 | 0.438 | 88 | 0.500 | 0.466 | 93 | 6 | 60-130 | 30 |

| SURROGATE PARAMETER | SpikeAmt (mg/L) | LCSResult (mg/L) | LCSRec (%) | SpikeAmt (mg/L) | LCDResult (mg/L) | LCDRec (%) | QCLimit (%) |
|---------------------|--------------------|---------------------|---------------|--------------------|---------------------|---------------|----------------|
| Bromofluorobenzene | 0.0400 | 0.0465 | 116 | 0.0400 | 0.0475 | 119 | 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 : 994587
BATCH NO. : 22C279
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202203230224                       202203230224MS  202203230224MSD
LAB SAMPLE ID : C279-01                           C279-01M       C279-01S
LAB FILE ID  : AC24008A                           AC24009A       AC24010A
DATE PREPARED : 03/24/22 13:21                    03/24/22 13:56  03/24/22 14:30
DATE ANALYZED : 03/24/22 13:21                    03/24/22 13:56  03/24/22 14:30
PREP BATCH   : 22VGH7C09                          22VGH7C09      22VGH7C09
CALIBRATION REF: AC24004A                          AC24004A       AC24004A
  
```

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 | 0.461 | 92 | 0.500 | 0.421 | 84 | 9 | 50-130 | 30 |

| SURROGATE PARAMETER | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | QCLimit (%) |
|---------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|----------------|
| Bromofluorobenzene | 0.0400 | 0.0459 | 115 | 0.0400 | 0.0443 | 111 | 60-140 |

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

994587

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22C279

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 994587

SDG : 22C279

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 03/23/22 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. 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. DSC033WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) LCS was analyzed. Percent recovery for Diesel was within LCS QC limits in DSC033WL. Refer to LCS summary form for details.

Matrix QC Sample

Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22C279-01M/22C279-01S. 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.

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 994587

SDG : 22C279

METHOD 3520C/8015B
PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 03/23/22 to be analyzed for 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. 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. DSC033WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) LCS was analyzed. Percent recovery for JP5 was within LCS QC limits in J5C033WL. Refer to LCS summary form for details.

Matrix QC Sample

Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. JP5 was within MS QC limits in 22C279-01M/22C279-01S. 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.

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 994587

SDG : 22C279

METHOD 3520C/8015B
PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 03/23/22 to be analyzed for 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. 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. DSC033WB - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) LCS was analyzed. Percent recovery for JP8 was within LCS QC limits in J8C033WL. Refer to LCS summary form for details.

Matrix QC Sample

Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. JP8 was within MS QC limits in 22C279-01M/22C279-01S. 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.

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project    : 994587
SDG NO.    : 22C279
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 |
| MBLK1W | DSC033WB | 1 | NA | 03/25/2215:19 | 03/24/2215:30 | LC25009A | LC25003A | 22DSC033W | Method Blank |
| LCS1W | DSC033WL | 1 | NA | 03/25/2215:38 | 03/24/2215:30 | LC25010A | LC25003A | 22DSC033W | Lab Control Sample (LCS) |
| 202203230224 | C279-01 | 1 | NA | 03/25/2216:33 | 03/24/2215:30 | LC25013A | LC25003A | 22DSC033W | Field Sample |
| 202203230224MS | C279-01M | 1 | NA | 03/25/2216:51 | 03/24/2215:30 | LC25014A | LC25003A | 22DSC033W | Matrix Spike Sample (MS) |
| 202203230224MSD | C279-01S | 1 | NA | 03/25/2217:10 | 03/24/2215:30 | LC25015A | LC25003A | 22DSC033W | MS Duplicate (MSD) |

FN - Filename
% Moist - Percent Moisture

LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project    : 994587
SDG NO.    : 22C279
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 | | | | |
| MBLK1W | DSC033WB | 1 | NA | 03/25/2215:19 | 03/24/2215:30 | LC25009A | LC25004A | 22DSC033W | Method Blank |
| LCS1W | J5C033WL | 1 | NA | 03/25/2215:56 | 03/24/2215:30 | LC25011A | LC25004A | 22DSC033W | Lab Control Sample (LCS) |
| 202203230224 | C279-01 | 1 | NA | 03/25/2216:33 | 03/24/2215:30 | LC25013A | LC25004A | 22DSC033W | Field Sample |
| 202203230224MS | C279-01M | 1 | NA | 03/25/2217:28 | 03/24/2215:30 | LC25016A | LC25004A | 22DSC033W | Matrix Spike Sample (MS) |
| 202203230224MSD | C279-01S | 1 | NA | 03/25/2217:46 | 03/24/2215:30 | LC25017A | LC25004A | 22DSC033W | MS Duplicate (MSD) |

```

FN          - Filename
% Moist    - Percent Moisture
  
```

LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project     : 994587
SDG NO.    : 22C279
Instrument ID : D5
=====

```

| Client Sample ID | Laboratory Sample ID | Dilution Factor | % Moist | Analysis DateTime | Extraction DateTime | Sample Data FN | Calibration Data FN | Prep. Batch | Notes |
|------------------|----------------------|-----------------|---------|-------------------|---------------------|----------------|---------------------|-------------|--------------------------|
| | | | | | | | | | WATER |
| MBLK1W | DSC033WB | 1 | NA | 03/25/2215:19 | 03/24/2215:30 | LC25009A | LC25005A | 22DSC033W | Method Blank |
| LCS1W | J8C033WL | 1 | NA | 03/25/2216:15 | 03/24/2215:30 | LC25012A | LC25005A | 22DSC033W | Lab Control Sample (LCS) |
| 202203230224 | C279-01 | 1 | NA | 03/25/2216:33 | 03/24/2215:30 | LC25013A | LC25005A | 22DSC033W | Field Sample |
| 202203230224MS | C279-01M | 1 | NA | 03/25/2218:05 | 03/24/2215:30 | LC25018A | LC25005A | 22DSC033W | Matrix Spike Sample (MS) |
| 202203230224MSD | C279-01S | 1 | NA | 03/25/2218:23 | 03/24/2215:30 | LC25019A | LC25005A | 22DSC033W | MS Duplicate (MSD) |

```

FN          - Filename
% Moist     - Percent Moisture

```

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/21/22 10:54
Project     : 994587                     Date Received: 03/23/22
Batch No.   : 22C279                     Date Extracted: 03/24/22 15:30
Sample ID   : 202203230224              Date Analyzed: 03/25/22 16:33
Lab Samp ID: 22C279-01                   Dilution Factor: 1
Lab File ID: LC25013A                     Matrix: WATER
Ext Btch ID: 22DSC033W                   % Moisture: NA
Calib. Ref.: LC25003A                     Instrument ID: D5
=====

```

| PARAMETERS | RESULTS (mg/L) | RL (mg/L) | MDL (mg/L) |
|------------|-------------------|--------------|---------------|
| Diesel | ND | 0.027 | 0.013 |
| Motor Oil | ND | 0.053 | 0.027 |

| SURROGATE PARAMETERS | RESULT | SPK_AMT | %RECOVERY | QC LIMIT |
|----------------------|--------|---------|-----------|----------|
| Bromobenzene | 0.387 | 0.530 | 73 | 60-130 |
| Hexacosane | 0.152 | 0.132 | 115 | 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 : 940ml Final Volume : 5ml
Prepared by : POreto/JMuert Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL      Date Collected: 03/21/22 10:54
Project    : 994587                          Date Received: 03/23/22
Batch No.  : 22C279                          Date Extracted: 03/24/22 15:30
Sample ID  : 202203230224                   Date Analyzed: 03/25/22 16:33
Lab Samp ID: 22C279-01                      Dilution Factor: 1
Lab File ID: LC25013A                        Matrix: WATER
Ext Btch ID: 22DSC033W                      % Moisture: NA
Calib. Ref.: LC25004A                       Instrument ID: D5
=====
    
```

| PARAMETERS | RESULTS (mg/L) | RL (mg/L) | MDL (mg/L) |
|------------|-------------------|--------------|---------------|
| JP5 | ND | 0.053 | 0.027 |

| SURROGATE PARAMETERS | RESULT | SPK_AMT | %RECOVERY | QC LIMIT |
|----------------------|--------|---------|-----------|----------|
| Bromobenzene | 0.387 | 0.530 | 73 | 60-130 |
| Hexacosane | 0.152 | 0.132 | 115 | 60-130 |

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 94.0ml Final Volume : 5ml
 Prepared by : PORETO/JMUERT Analyzed by : SDEESO

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL      Date Collected: 03/21/22 10:54
Project     : 994587                          Date Received: 03/23/22
Batch No.   : 22C279                          Date Extracted: 03/24/22 15:30
Sample ID   : 202203230224                    Date Analyzed: 03/25/22 16:33
Lab Samp ID: 22C279-01                        Dilution Factor: 1
Lab File ID: LC25013A                          Matrix: WATER
Ext Btch ID: 22DSC033W                        % Moisture: NA
Calib. Ref.: LC25005A                         Instrument ID: D5
=====
  
```

| PARAMETERS | RESULTS (mg/L) | RL (mg/L) | MDL (mg/L) |
|------------|-------------------|--------------|---------------|
| JP8 | ND | 0.053 | 0.027 |

| SURROGATE PARAMETERS | RESULT | SPK_AMT | %RECOVERY | QC LIMIT |
|----------------------|--------|---------|-----------|----------|
| Bromobenzene | 0.387 | 0.530 | 73 | 60-130 |
| Hexacosane | 0.152 | 0.132 | 115 | 60-130 |

Notes:
 RL : Reporting Limit
 Parameter H-C Range
 JP8 C8-C18
 Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.
 Sample Amount : 940ml Final Volume : 5ml
 Prepared by : P0reto/JMuert Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL    Date Collected: 03/24/22 15:30
Project     : 994587                       Date Received: 03/24/22
Batch No.   : 22C279                       Date Extracted: 03/24/22 15:30
Sample ID   : MBLK1W                       Date Analyzed: 03/25/22 15:19
Lab Samp ID: DSC033WB                     Dilution Factor: 1
Lab File ID: LC25009A                     Matrix: WATER
Ext Btch ID: 22DSC033W                   % Moisture: NA
Calib. Ref.: LC25003A                     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 | 0.431 | 0.500 | 86 | 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 : P0reto/JMuert Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 994587
BATCH NO. : 22C279
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSC033WB DSC033WL
LAB FILE ID : LC25009A LC25010A
DATE PREPARED : 03/24/22 15:30 03/24/22 15:30
DATE ANALYZED : 03/25/22 15:19 03/25/22 15:38
PREP BATCH : 22DSC033W 22DSC033W
CALIBRATION REF: LC25003A LC25003A

ACCESSION:

| PARAMETERS | MBResult (mg/L) | SpikeAmt (mg/L) | LCSResult (mg/L) | LCSRec (%) | QCLimit (%) |
|------------|--------------------|--------------------|---------------------|---------------|----------------|
| Diesel | ND | 2.50 | 2.30 | 92 | 50-130 |

| SURROGATE PARAMETERS | SpikeAmt (mg/L) | LCSResult (mg/L) | LCSRec (%) | QCLimit (%) |
|----------------------|--------------------|---------------------|---------------|----------------|
| Bromobenzene | 0.500 | 0.449 | 90 | 60-130 |
| Hexacosane | 0.125 | 0.130 | 104 | 60-130 |

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 994587
BATCH NO. : 22C279
METHOD : 3520C/8015B

| | | |
|--------------------------------|----------------|-----------------|
| MATRIX : WATER | | % MOISTURE:NA |
| DILUTION FACTOR: 1 | 1 | 1 |
| SAMPLE ID : 202203230224 | 202203230224MS | 202203230224MSD |
| LAB SAMPLE ID : 22C279-01 | 22C279-01M | 22C279-01S |
| LAB FILE ID : LC25013A | LC25014A | LC25015A |
| DATE PREPARED : 03/24/22 15:30 | 03/24/22 15:30 | 03/24/22 15:30 |
| DATE ANALYZED : 03/25/22 16:33 | 03/25/22 16:51 | 03/25/22 17:10 |
| PREP BATCH : 22DSC033W | 22DSC033W | 22DSC033W |
| CALIBRATION REF: LC25003A | LC25003A | LC25003A |

ACCESSION:

| PARAMETERS | PSResult (mg/L) | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | RPD (%) | QCLimit (%) | MaxRPD (%) |
|------------|--------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|------------|----------------|---------------|
| Diesel | ND | 2.75 | 2.78 | 101 | 2.70 | 2.59 | 96 | 7 | 50-130 | 30 |

| SURROGATE PARAMETERS | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | QCLimit (%) |
|----------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|----------------|
| Bromobenzene | 0.550 | 0.507 | 92 | 0.540 | 0.545 | 101 | 60-130 |
| Hexacosane | 0.138 | 0.166 | 121 | 0.135 | 0.156 | 116 | 60-130 |

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL      Date Collected: 03/24/22 15:30
Project    : 994587                          Date Received: 03/24/22
Batch No.  : 22C279                          Date Extracted: 03/24/22 15:30
Sample ID  : MBLK1W                          Date Analyzed: 03/25/22 15:19
Lab Samp ID: DSC033WB                       Dilution Factor: 1
Lab File ID: LC25009A                       Matrix: WATER
Ext Btch ID: 22DSC033W                     % Moisture: NA
Calib. Ref.: LC25004A                      Instrument ID: D5
=====
    
```

| PARAMETERS | RESULTS (mg/L) | RL (mg/L) | MDL (mg/L) | |
|----------------------|-------------------|--------------|---------------|----------|
| JP5 | ND | 0.050 | 0.025 | |
| SURROGATE PARAMETERS | RESULT | SPK_AMT | %RECOVERY | QC LIMIT |
| Bromobenzene | 0.431 | 0.500 | 86 | 60-130 |
| Hexacosane | 0.124 | 0.125 | 99 | 60-130 |

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1000ml Final Volume : 5ml
 Prepared by : POrto/JMuert Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 994587
BATCH NO. : 22C279
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSC033WB J5C033WL
LAB FILE ID : LC25009A LC25011A
DATE PREPARED : 03/24/22 15:30 03/24/22 15:30
DATE ANALYZED : 03/25/22 15:19 03/25/22 15:56
PREP BATCH : 22DSC033W 22DSC033W
CALIBRATION REF: LC25004A LC25004A

ACCESSION:

| PARAMETERS | MBResult (mg/L) | SpikeAmt (mg/L) | LCSResult (mg/L) | LCSRec (%) | QCLimit (%) |
|------------|--------------------|--------------------|---------------------|---------------|----------------|
| JP5 | ND | 2.50 | 2.22 | 89 | 30-160 |

| SURROGATE PARAMETERS | SpikeAmt (mg/L) | LCSResult (mg/L) | LCSRec (%) | QCLimit (%) |
|----------------------|--------------------|---------------------|---------------|----------------|
| Bromobenzene | 0.500 | 0.526 | 105 | 60-130 |
| Hexacosane | 0.125 | 0.139 | 111 | 60-130 |

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 994587
BATCH NO. : 22C279
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                                % MOISTURE:NA
DILUTION FACTOR: 1                                1
SAMPLE ID   : 202203230224                        202203230224MSD
LAB SAMPLE ID : 22C279-01                          22C279-01S
LAB FILE ID  : LC25013A                            LC25017A
DATE PREPARED : 03/24/22 15:30                    03/24/22 15:30
DATE ANALYZED : 03/25/22 16:33                    03/25/22 17:46
PREP BATCH   : 22DSC033W                          22DSC033W
CALIBRATION REF: LC25004A                          LC25004A
  
```

ACCESSION:

| PARAMETERS | PSResult (mg/L) | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | RPD (%) | QCLimit (%) | MaxRPD (%) |
|------------|--------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|------------|----------------|---------------|
| JP5 | ND | 2.55 | 2.16 | 85 | 2.62 | 2.16 | 82 | 0 | 30-160 | 30 |

| SURROGATE PARAMETERS | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | QCLimit (%) |
|----------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|----------------|
| Bromobenzene | 0.510 | 0.496 | 97 | 0.525 | 0.442 | 84 | 60-130 |
| Hexacosane | 0.127 | 0.135 | 106 | 0.131 | 0.146 | 111 | 60-130 |

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL      Date Collected: 03/24/22 15:30
Project    : 994587                          Date Received: 03/24/22
Batch No.  : 22C279                          Date Extracted: 03/24/22 15:30
Sample ID  : MBLK1W                          Date Analyzed: 03/25/22 15:19
Lab Samp ID: DSC033WB                       Dilution Factor: 1
Lab File ID: LC25009A                       Matrix: WATER
Ext Btch ID: 22DSC033W                     % Moisture: NA
Calib. Ref.: LC25005A                       Instrument ID: D5
=====
    
```

| PARAMETERS | RESULTS (mg/L) | RL (mg/L) | MDL (mg/L) | |
|----------------------|-------------------|--------------|---------------|----------|
| JP8 | ND | 0.050 | 0.025 | |
| SURROGATE PARAMETERS | RESULT | SPK_AMT | %RECOVERY | QC LIMIT |
| Bromobenzene | 0.431 | 0.500 | 86 | 60-130 |
| Hexacosane | 0.124 | 0.125 | 99 | 60-130 |

Notes:

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

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

Sample Amount : 1000ml Final Volume : 5ml
 Prepared by : POrto/JMuert Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 994587
BATCH NO. : 22C279
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSC033WB J8C033WL
LAB FILE ID : LC25009A LC25012A
DATE PREPARED : 03/24/22 15:30 03/24/22 15:30
DATE ANALYZED : 03/25/22 15:19 03/25/22 16:15
PREP BATCH : 22DSC033W 22DSC033W
CALIBRATION REF: LC25005A LC25005A

ACCESSION:

| PARAMETERS | MBResult (mg/L) | SpikeAmt (mg/L) | LCSResult (mg/L) | LCSRec (%) | QCLimit (%) |
|------------|--------------------|--------------------|---------------------|---------------|----------------|
| JP8 | ND | 2.50 | 2.22 | 89 | 30-160 |

| SURROGATE PARAMETERS | SpikeAmt (mg/L) | LCSResult (mg/L) | LCSRec (%) | QCLimit (%) |
|----------------------|--------------------|---------------------|---------------|----------------|
| Bromobenzene | 0.500 | 0.522 | 104 | 60-130 |
| Hexacosane | 0.125 | 0.128 | 102 | 60-130 |

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 994587
BATCH NO. : 22C279
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                                % MOISTURE:NA
DILUTION FACTOR: 1                                1
SAMPLE ID   : 202203230224                        202203230224MSD
LAB SAMPLE ID : 22C279-01                          22C279-01S
LAB FILE ID  : LC25013A                            LC25018A
                                                    LC25019A
DATE PREPARED : 03/24/22 15:30                    03/24/22 15:30
DATE ANALYZED : 03/25/22 16:33                    03/25/22 18:23
PREP BATCH   : 22DSC033W                          22DSC033W
CALIBRATION REF: LC25005A                          LC25005A
    
```

ACCESSION:

| PARAMETERS | PSResult (mg/L) | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | RPD (%) | QCLimit (%) | MaxRPD (%) |
|------------|--------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|------------|----------------|---------------|
| JP8 | ND | 2.55 | 2.15 | 84 | 2.53 | 2.33 | 92 | 8 | 30-160 | 30 |

| SURROGATE PARAMETERS | SpikeAmt (mg/L) | MSResult (mg/L) | MSRec (%) | SpikeAmt (mg/L) | MSDResult (mg/L) | MSDRec (%) | QCLimit (%) |
|----------------------|--------------------|--------------------|--------------|--------------------|---------------------|---------------|----------------|
| Bromobenzene | 0.510 | 0.535 | 105 | 0.505 | 0.552 | 109 | 60-130 |
| Hexacosane | 0.127 | 0.141 | 111 | 0.126 | 0.149 | 118 | 60-130 |

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