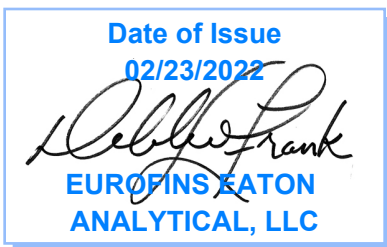


750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

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



Utah ELCP CA00006

DEB: Debbie L Frank
Project Manager

Report: 986269
Project: RED-HILL
Group: Red-Hill Expanded List (Albuquerque+)

* Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.

* Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.

* As applicable, this report consists of the cover page, State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms.

* Test results relate only to the sample(s) tested.

* Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).

* This report shall not be reproduced except in full, without the written approval of the laboratory.

* This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	NE-OS-21-13
Arkansas	CA00006	Nevada	CA00006
California	2813	New Hampshire *	2959
Colorado	CA00006	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	CA00006
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	21-008R	Ohio - 537.1	87786
Hawaii	CA00006	Oregon *	4034
Idaho	CA00006	Pennsylvania *	68-00565
Illinois	200033	Puerto Rico	CA00006
Indiana	C-CA-01	Rhode Island	LAO00326
Iowa – Asbestos	413	South Carolina	87016
Kansas *	E-10268	South Dakota	CA11320
Kentucky	90107	Tennessee	TN02839
Louisiana *	LA008	Texas *	T104704230-20-18
Maine	CA00006	Utah (Primary AB) *	CA00006
Maryland	224	Vermont	VT0114
Marianas Islands	MP0004	Virginia *	460260
Massachusetts	M-CA006	Washington	C838
Michigan	9906	EPA Region 5	CA00006
Mississippi	CA00006	Los Angeles County Sanitation Districts	10264

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2917 Accredited Method List

The test listed below are accredited and met the requirements of ISO/IEC 17025 as verify by A2LA.

Refer to our certificates and scope of accreditations (no. 5890-1 and 5890-2) found at:

<https://www.eurofinsus.com/Eaton>

Test(s)	Method(s)	Potable Water *	Waste Water	Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x	Gross Alpha coprecipitation	SM 7110 C	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x		Hardness	SM 2340 B	x	x
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x	Hexavalent Chromium	EPA 218.6,	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x	Hexavalent Chromium	EPA 218.7,	x	
Heterotrophic Bacteria	SM 9215 B	x		Hexavalent Chromium	SM 3500-Cr B		x
Legionella	Legiolert®	x		Inorganic Anions and DBPs	EPA 300.0	x	x
Pseudomonas aeruginosa	Idexx Pseudalart	x		Norganic Anions and DBPs	EPA 300.1	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x	Kjeldahl Nitrogen	EPA 351.2		x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x	Metals	EPA 200.7, EPA200.8	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x		Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Total Microcystins and Nodularins	EPA 546	X		Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Yeast and Mold	SM 9610	x		Odor	SM2150B	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x		Organohalide Pesticides and PCB	EPA 505	x	
1,4-Dioxane	EPA 522	x		Ortho Phosphate	SM 4500P E	x	
2,3,7,8-TCDD	Modified EPA 1613 B	x		Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Acrylamide	+ LCMS 2440)	x		Perchlorate	EPA 331.0	x	
Algal Toxins/Microcystin	+ LCMS 3570	x		Perchlorate (Low and High Levels)	EPA 314.0	x	
Alkalinity	SM 2320B	x	x	Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
Ammonia	EPA 350.1, SM 4500-NH3 H		x	PPCP and EDC	+ LCMS-2443	x	
Asbestos	EPA 100.2	x	x	pH	EPA 150.1 SM 4500-H+ B	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x	Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
BOD/CBOD	SM 5210 B		x	Phenylurea Pesticides/Herbicides	+ LCMS-2448	x	
Bromate	+ LCMS- 2447	x		Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Carbonate as CO3	SM 2330 B	x	x	Radon-222	SM 7500RN	x	
Carbonyls	EPA 556	x	x	Residue (Filterable)	SM 2540C	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x	Residue (Non-Filterable)	SM 2540D		x
Chlorinated Acids	EPA 515.4	x		Residue (Total)	SM 2540B		x
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x		Residue (Volatile)	EPA 160.4		x
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x		Semi-Volatile Compounds	EPA 525.2	x	
Color	SM2120B	x		Silica	SM 4500-SiO2 C	x	x
Conductivity	EPA 120.1, SM 2510B	x	x	Sulfide	SM 4500-S D		x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x		Sulfite	SM 4500-SO3 B	x	x
Cyanide (Amenable)	SM 4500-CN G	x	x	Surfactants	SM 5540C	x	x
Cyanide (Free)	SM 4500CN F	x	x	Taste and Odor	SM 6040 E	x	
Cyanide (Total)	EPA 335.4	x	x	Total Organic Carbon	SM 5310 C	x	x
Cyanogen Chloride (Screen)	+ 335 Mod (WC-24467)	x		Total Phenols	EPA 420.1		x
Diquat and Paraquat	EPA 549.2	x		Total Phenols	EPA 420.4	x	x
DBP and HAA	SM 6251 B	x		Triazine Pesticides and their Degradates	+ LCMS-3617	x	
Dissolved Organic Carbon	SM 5310 C	x		Turbidity	EPA 180.1	x	x
Dissolved Oxygen	SM 4500-O G		x	Uranium by ICP/MS	EPA 200.8	x	
EDB/DCBP/TCP	EPA 504.1	x		UV 254 Organic Constituents	SM 5910B	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x		VOCs	EPA 524.2	x	
EDTA and NTA	+ WC-2454	x		VOCs	+ (GCMS 2412) by EPA 524.2 modified	x	
Endothall	EPA 548.1, +(LCMS-2445)	x					
Fluoride	SM 4500F C	x	x				
Glyphosate	EPA 547	x					
Glyphosate and AMPA	+ LCMS-3618	x					
Gross Alpha and Gross Beta	EPA 900.0	x	x				

(*) includes: Bottled Water, Drinking Water and Water as Component of Food & Beverage.

(+) In-House Method

Acknowledgement of Samples Received

Addr: **Honolulu Board of Water Supply**
 630 South Beretania Street
 Public Service Bldg." Room 308
 Honolulu, HI 96843

Attn: Erwin Kawata
 Phone: 808-748-5091

Client ID: HONOLULU
 Folder #: 986269
 Project: RED-HILL
 Sample Group: Red-Hill Expanded List
 (Albuquerque+)
 Project Manager: Debbie L Frank
 Phone: (626) 386-1149
 PO #: C20525101 exp 05312023

The following samples were received from you on **February 09, 2022** at **1505**. 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>202202090871</u>	AIEA WELLS PUMP 2 (331-004-WL103)	02/07/2022 0931
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202202110009</u>	TRAVEL BLANK::AIEA WELLS PUMP 2 (331-004-WL103)	02/07/2022 0931
	(SUB)Gas Fraction Hydrocarbons	

Test Description



Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS/EATON ANALYTICAL USE ONLY:

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

LOG IN COMMENTS:

SAMPLE TEMP RECEIVED AT:
 Colton / No. California / Arizona
 Monrovia

_____ °C (Compliance: 4 ± 2 °C)
 4.6 °C (Compliance: 4 ± 2 °C)

SAMPLES CHECKED AGAINST COC BY:

SAMPLES LOGGED IN BY: AS

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

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

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

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: BWS HONOLULU PROJECT CODE: RED HILL

EEA CLIENT CODE: _____ COC ID: _____

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

COMPLIANCE SAMPLES NON-COMPLIANCE SAMPLES (check for yes)

- Requires state forms _____ REGULATION INVOLVED: _____

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

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

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

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX	FIELD DATA	FIELD DATA	SAMPLER COMMENTS	Temp Blank: _____ °C
02/07/22	0931	Aiea Wells Pump P2	H10000331-004	CFW				

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

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

SIGNED BY: _____ SIGNATURE

PRINT NAME: Low Bailey

COMPANY/TITLE: Honolulu Board of Water Supply

DATE: February 7, 2022

SAMPLED BY: _____

RELINQUISHED BY: _____

RECEIVED BY: Chris Brooks

RELINQUISHED BY: _____

RECEIVED BY: _____

DATE: 02/08/2022 TIME: 12:00

DATE: 2.9.22 TIME: 15:05

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

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

750 Royal Oaks Drive Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (666) 988-3757

Created Date & Time: 1/3/2022 12:06:33AM

Note: Sampler Please return this paper with your samples

Kit #: 309377



Client ID: HONOLULU



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

Created By: - [AutoGenerated]
Deliver By: 02/02/2022
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 Fuel5_C, TPH 8015 Jet Fuel8_C	6	
1	8015 Gas_C	3	
1	@504MOD TB C, 8015 Gas_C TB	2	
Sum Tests: 3		Sum Bottles: 11	

Comments

AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)
SAMPLER:
Four 1 LITER AMBER GLASS BOTTLES FOR 625 SERIES AND Six 1 LITER AMBER GLASS BOTTLES FOR TPH 8015 SERIES.
SHIPPING:
Travel Blanks - TBA/MTBE, VOASDWA - Prepare TBs in the VOA LAB.
Label Cooler on TOP and right below both Handles with Site description of contents (use extra Container Labels)
ASM: Be sure to coordinate Follow-up as needed for any new detections in Field samples.
Acetone - follow-ups need to use EPA 624



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

426764

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 = 4101 (Observation = 4.8 °C) (Corr. Factor -0.2 °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 _____

- 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(6251,562), 505, SPME, @CH, 532LCMS, 566, 536, Anatoxin, LCMS methods using 40 ml vials, international clients:

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

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

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
<u>Chris Brock</u>	<u>Chris Brock</u>	Eurofins Eaton Analytical	<u>2-9-22</u>	<u>1505</u>
SAMPLES CHECKED AGAINST COC BY:	PRINT NAME	COMPANY/TITLE	DATE	TIME
		Eurofins Eaton Analytical		



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number:

SAMPLE TEMP RECEIVED:

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

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 401 (Observation = 6.0 °C) (Corr. Factor = 0.2 °C) (Final = 5.8 °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 = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)	2 = (Observation = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)
3 = (Observation = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)	4 = (Observation = <u> </u> °C) (Corr. Factor = <u> </u> °C) (Final = <u> </u> °C)

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

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

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

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

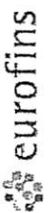
Headspace Documentation (use additional VOC and Radon internal COFC for additional bottles)

Exempt from headspace concerns: Methods 515-4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

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

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

RECEIVED BY: <u>Chun Baoch</u>	PRINT NAME: <u>Chun Baoch</u>	COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: <u>2-9-22</u>	TIME: <u>1510</u>
SAMPLES CHECKED AGAINST COC BY: <u> </u>	PRINT NAME: <u> </u>	COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: <u> </u>	TIME: <u> </u>



INTERNAL CHAIN OF CUSTODY RECORD

Eaton Analytical

EEA Folder Number: 052764

SAMPLE TEMP RECEIVED:
Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.
SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 401 (Observation = 6.1 °C) (Corr. Factor -0.2 °C) (Final = 5.9 °C)
TYPE OF ICE: Real Synthetic No Ice CONDITION OF ICE: Frozen Partially Frozen Thawed N/A

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

Compliance Acceptance Criteria:

- 1) Chemistry: >0, ≤ 6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)
- 2) Microbiology, Distribution: < 10°C, not frozen (can be ≥ 10°C if received on ice the same day as sample collection, within 8 hours)
- 3) Microbiology, Surface Water: < 10°C (if received after 2 hours of sample collection)
If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants
- 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: _____

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)

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, 52LCMS, 556, 538, Anatoxin, LCMS methods using 40 ml vials, International clients: _____

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

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

RECEIVED BY: <u>Chm Baer</u>	PRINT NAME: <u>Chm Baer</u>	COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: <u>2.9.22</u>	TIME: <u>1501</u>
SAMPLES CHECKED AGAINST COC BY: _____	PRINT NAME: _____	COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: _____	TIME: _____

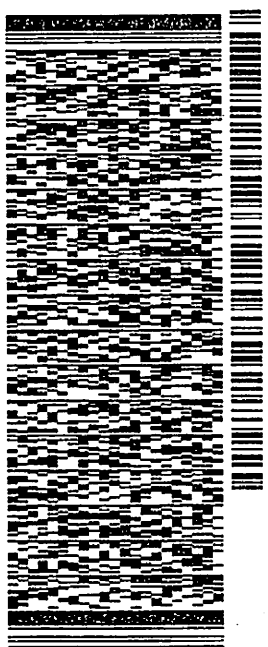
ORIGIN ID:HIKA (809) 748-5840
 BMS-CHEM-LAB
 HONOLULU BOARD OF WATER SUPPLY
 630 S. BERETANIA ST.
 CHEMICAL LABORATORY
 HONOLULU, HI 96843
 UNITED STATES US

SHIP DATE: 09FEB22
 ACTWGT: 62.00 LB
 CAD: 100205419/NET4460
 BILL RECIPIENT

TO C CHUCK

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

56DJ2027C/FE4A



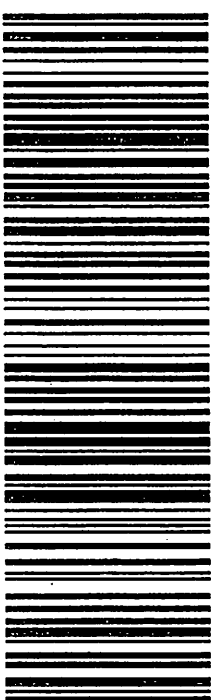
1 of 3

TRK# 7759 8833 7602
 0201
 ## MASTER ##

WED - 09 FEB 10:30A
 PRIORITY OVERNIGHT

WZ WHPA

91016
 CA-US BUR



After printing this label:

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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.

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

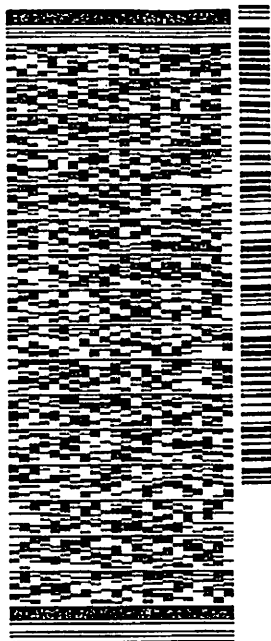
SHIP DATE: 08FEB22
ACTWGT: 62.00 LB
CAD: 100203419/NET/4460

BILL RECIPIENT

TO C CHUCK

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

56D.J2027C/FE4A



2 of 3

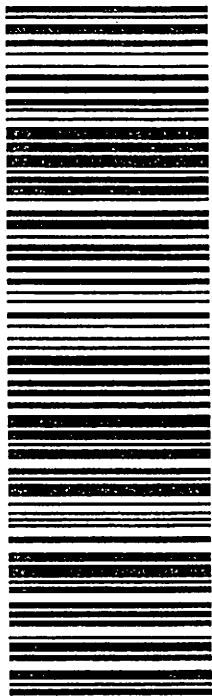
MPS# 7759 8833 6032
Mstr# 7759 8833 7602

0201

WED - 09 FEB 10:30A
PRIORITY OVERNIGHT

WZ WHPA

91016
CA-US BUR



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

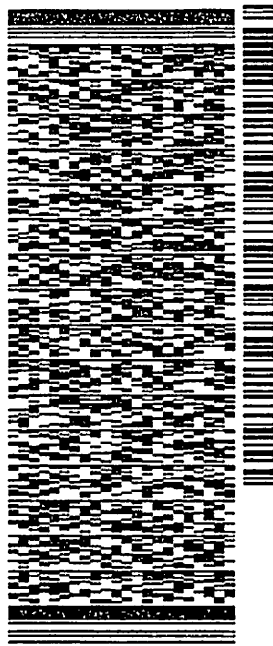
ORIGIN ID:HIKA (809) 748-5840
 BWS-CHEM-LAB
 HONOLULU BOARD OF WATER SUPPLY
 630 S. BERETANIA ST.
 CHEMICAL LABORATORY
 HONOLULU, HI 96843
 UNITED STATES US

SHIP DATE: 08FEB22
 ACTWGT: 62.00 LB
 CAD: 100205419/NET4460
 BILL RECIPIENT

TO C CHUCK

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

56D2027C/FE4A



JZZ1022010501uy

3 of 3

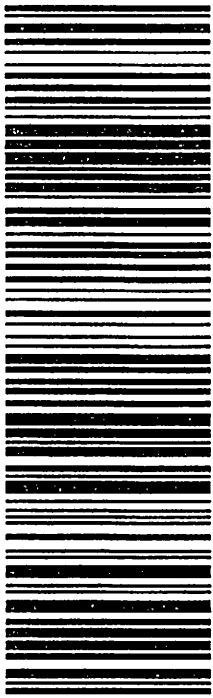
MP S# 7759 8833 8080
 0263
 Mstr# 7759 8833 7602

WED - 09 FEB 10:30A
 PRIORITY OVERNIGHT

0201

WZ WHPA

91016
 CA-US BUR



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Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

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

LOGIN COMMENTS: JB Rec'd for wells 331-206
-TR065, # KIT 309378 VP
SAMPLES CHECKED AGAINST COC BY: [Signature]
SAMPLES LOGGED IN BY: [Signature]
SAMPLES REC'D DAY OF COLLECTION? (check for yes)
SAMPLE TEMP RECEIVED AT:
 Colton / No. California / Arizona °C (Compliance: 4 ± 2 °C)
 Monrovia °C (Compliance: 4 ± 2 °C)
CONDITION OF BLUE ICE: Frozen Partially Frozen Thawed No Ice
METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: FedEx

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: BWS HONOLULU		PROJECT CODE: RED HILL	COMPLIANCE SAMPLES <input type="checkbox"/>	NON-COMPLIANCE SAMPLES <input checked="" type="checkbox"/>	(check for yes)
EEA CLIENT CODE:	COC ID:	SAMPLE GROUP:	REGULATION INVOLVED: Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA, ...)		
TAT requested: rush by adv notice only	STD <input checked="" type="checkbox"/> 1 wk <input type="checkbox"/> 3 day <input type="checkbox"/> 1 day	SEE ATTACHED BOTTLE ORDER FOR ANALYSES <input checked="" type="checkbox"/>	list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)		
SAMPLE DATE	SAMPLE ID	CLIENT LAB ID	MATRIX	FIELD DATA	SAMPLER COMMENTS
02/07/22	Aica Wells Pump P2	H10000331-004	CFW	Feb 2022	Please add this testing to original delivery. for this site/02/07/22/0931 see circled bottle order
					Temp Blank: _____ °C

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

SAMPLED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	[Signature]	Low Bailey	Honolulu Board of Water Supply	February 7, 2022	
RECEIVED BY:	[Signature]	Low Bailey	Honolulu Board of Water Supply	09 February 22	1200
RELINQUISHED BY:	[Signature]	Victor Pascarin	GWA	2-10-22	2026
RECEIVED BY:					

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

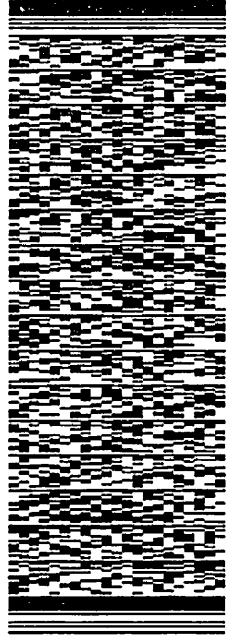
SHIP DATE: 09FEB22
ACTWGT: 72.00 LB
CAD: 100205419/NET4460
BILL RECIPIENT

TO C CHUCK

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100

MONROVIA CA 91016
REF (626) 386-1178

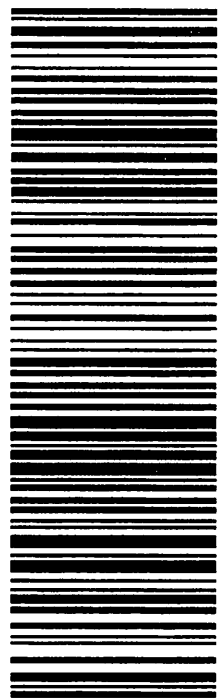
PO INV DEPT



TRK# 7760 0180 8345
0201

THU - 10 FEB 10:30A
PRIORITY OVERNIGHT

WZ WHPA
CA-US BUR 91016



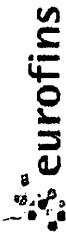
56DJ2027C/FE4A

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

Eaton Analytical

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

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

Created Date & Time: 1/3/2022 12:06:33AM

Note: Sampler Please return this paper with your samples

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



Kit #: 309377

Created By: - [AutoGenerated]
Deliver By: 02/02/2022
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	6	
1	8015 Gas_C	3	
1	@504MOD TB C, 8015 Gas_C TB	2	
Sum Tests: 3		Sum Bottles: 11	

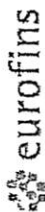
Comments
AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)

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

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

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

Code Status Date Shipped Tracking # # of Coolers Prepared By



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 9267681

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 = 638 (Observation = 3.0 °C) (Corr.Factor = -0.2 °C) (Final = 2.8 °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) 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 816.4, HAA(6251,652), 505, SPME, @CH, 532LCMS, 556, 536, Anastxin, LCMS methods using 40 ml vials, International cilants:

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
	<u>Wen Hsien</u>	Eurofins Eaton Analytical	<u>2-10-22</u>	<u>2:02 P</u>
SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
		Eurofins Eaton Analytical		

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

Laboratory Comments

Report: 986269
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

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

Folder Comments

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

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

Report: 986269
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

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

Samples Received on:
02/09/2022 1505

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

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

Report: 986269
Project: RED-HILL
Group: Red-Hill Expanded List
 (Albuquerque+)

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

Samples Received on:
 02/09/2022 1505

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>AIEA WELLS PUMP 2 (331-004-WL103) (202202090871)</u>						Sampled on 02/07/2022 0931			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/14/22	02/14/22 18:08			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
02/10/22	02/14/22 16:55			(SW 8015B)	TPH Diesel	ND	mg/L	0.027	1
02/10/22	02/14/22 16:55			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.055	1
EPA 8015 - Jet Fuel 5 C8-C18									
02/10/22	02/14/22 16:55			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.055	1
EPA 8015 - Jet Fuel 8 C8-C18									
	02/14/22 16:55			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.055	1
<u>TRAVEL BLANK::AIEA WELLS PUMP 2 (331-004-WL103) (202202110009)</u>						Sampled on 02/07/2022 0931			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/14/22	02/14/22 18:44			(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.

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

Laboratory QC Summary

Report: 986269
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

Honolulu Board of Water Supply

Analytical Batch:

Analysis Date:

Analyzed by:

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

Report: 986269
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

Honolulu Board of Water Supply

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
---------	---------	--------	--------	-----------	-------	----------	------------	-----------------	------

by

Analytical Batch:

Analysis Date:

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

RPD not calculated for LCS2 when different a concentration than LCS1 is used.

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).

(S) - Indicates surrogate compound.

(I) - Indicates internal standard compound.

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

Report: 986269
Project: RED-HILL
Group: Red-Hill Expanded List
(Albuquerque+)

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

Samples Received on:
02/09/2022 1505

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
----------	---------	-----------	--------	-------------	-------	-----



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

Date: 02-16-2022
EMAX Batch No.: 22B108

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 986269

Enclosed is the Laboratory report for samples received on 02/10/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
202202090871	B108-01	02/07/22	WATER	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 #: 986269 Report Due: 02/14/2022

Sample ID: 202202090871 Client Sample ID for reference on: AIEA WELLS PUMP 2 (331-004-WL103)

Sample type: Sample Event: Sample Point ID: Static ID: JLS

Method	Prep Method	Analysis Requested
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

2-3 day rush
RED HILL

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

Date: 2/10/2022

Submittal Form

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # 986269 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.

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn. Jackie Contreras

Relinquished by: Jackie Contreras Date: 2/10/22 Time: 12:11
 Received by: Jackie Contreras Date: 2/10/22 Time: 12:11
 Relinquished by: Jackie Contreras Date: 2/10/22 Time: 12:11
 Received by: Jackie Contreras Date: 2/10/22 Time: 12:11

Temp. 3.8/3.3, 5.2/4.7, 4.8/1.3

Type of Delivery	Airbill / Tracking Number	ECN <u>22 B108</u>
<input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> GSO <input type="checkbox"/> Others		Recipient <u>Maria Rivera</u>
<input type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery		Date <u>02/10/22</u> Time <u>12:11</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 type="checkbox"/> Address	<input checked="" type="checkbox"/> Tel # / Fax #	<input type="checkbox"/> Courier Signature	<input checked="" type="checkbox"/> Analysis Required	<input type="checkbox"/> Preservative (if any)	<input checked="" type="checkbox"/> TAT
Safety Issues (if any)	<input type="checkbox"/> High concentrations expected	<input type="checkbox"/> From Superfund Site	<input type="checkbox"/> Rad screening required		

Note: _____

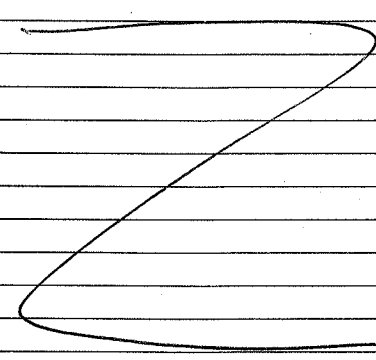
PACKAGING INSPECTION

Container <u>*correction</u>	<input checked="" type="checkbox"/> Cooler	<input type="checkbox"/> Box	<input type="checkbox"/> Other
Condition	<input checked="" type="checkbox"/> Custody Seal	<input type="checkbox"/> Intact	<input type="checkbox"/> Damaged
Packaging <u>Factor!</u>	<input checked="" type="checkbox"/> Bubble Pack	<input type="checkbox"/> Styrofoam	<input type="checkbox"/> Popcorn
Temperatures <u>-0.5</u>	<input checked="" type="checkbox"/> Cooler 1 <u>3.8/33</u> °C	<input checked="" type="checkbox"/> Cooler 2 <u>5.2/4.7</u> °C	<input checked="" type="checkbox"/> Cooler 3 <u>1.8/13</u> °C
(Cool, ≤6 °C but not frozen)	<input type="checkbox"/> Cooler 6 _____°C	<input type="checkbox"/> Cooler 7 _____°C	<input type="checkbox"/> Cooler 8 _____°C
Thermometer: <u>A - S/N 210191066 on 11/14</u>	<u>B - S/N 210271390</u>	<u>C - S/N 210271399</u>	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	1-6	D22		D8
				

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

NOTES/OBSERVATIONS:

LEGEND:

Code Description- Sample Management

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

Code Description-Sample Management

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

Continue to next page.

Code Description-Sample Management

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

REVIEWS:

Sample Labeling Maria Rivera / Jocelyne Solis Ramos
 Date 02/10/22 / 02/10/22

SRF [Signature]
 Date 02/10/22

PM AB
 Date 2/11/22

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

986269

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22B108

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 986269

SDG : 22B108

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 02/10/22 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. DSB014WB - 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 DSB014WL. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22B109-01M/22B109-01S. 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: 986269

SDG : 22B108

METHOD 3520C/8015B
PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 02/10/22 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. DSB014WB - 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 J5B014WL. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. JP5 was within MS QC limits in 22B109-01M/22B109-01S. 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: 986269

SDG : 22B108

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

One(1) water sample was received on 02/10/22 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. DSB014WB - 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 J8B014WL. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. JP8 was within MS QC limits in 22B109-01M/22B109-01S. 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     : 986269
=====
SJG NO.    : 22B108
Instrument ID : D5
=====

```

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER			Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis Date/Time	Extraction Date/Time	Sample Data FN					
LCS1W	DSB014WL	1	NA	02/14/2215:05	02/10/2215:30	LB14010A	LB14003A	22DSB014W	Lab Control Sample (LCS)		
MBLK1W	DSB014WB	1	NA	02/14/2216:00	02/10/2215:30	LB14013A	LB14003A	22DSB014W	Method Blank		
202202090871	B108-01	1	NA	02/14/2216:55	02/10/2215:30	LB14016A	LB14003A	22DSB014W	Field Sample		

```

FN      - Filename
% Moist - Percent Moisture

```


LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project     : 986269
SDG NO.    : 22B108
Instrument ID : D5
=====
  
```

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER			Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis Date/Time	Extraction Date/Time	Sample Data FN					
LCS1W	J5B014WL	1	NA	02/14/2215:23	02/10/2215:30	LB14011A	LB14004A	22DSB014W	Lab Control Sample (LCS)		
MBLK1W	DSB014WB	1	NA	02/14/2216:00	02/10/2215:30	LB14013A	LB14004A	22DSB014W	Method Blank		
202202090871	B108-01	1	NA	02/14/2216:55	02/10/2215:30	LB14016A	LB14004A	22DSB014W	Field Sample		

FN - Filename
% Moist - Percent Moisture

LAB CHRONICLE
PETROLEUM HYDROCARBONS BY EXTRACTION

Client : EUROFINS EATON ANALYTICAL
Project : 986269

SDG NO. : 22B108
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
LCS1W	J88014WL	1	NA	02/14/2215:42	02/10/2215:30	LB14012A	LB14005A	22DSB014W	Lab Control Sample (LCS)
MBLK1W	DSB014WB	1	NA	02/14/2216:00	02/10/2215:30	LB14013A	LB14005A	22DSB014W	Method Blank
202202090871	B108-01	1	NA	02/14/2216:55	02/10/2215:30	LB14016A	LB14005A	22DSB014W	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 02/07/22 09:31
Project     : 986269                     Date Received: 02/10/22
Batch No.   : 22B108                     Date Extracted: 02/10/22 15:30
Sample ID   : 202202090871              Date Analyzed: 02/14/22 16:55
Lab Samp ID : 22B108-01                  Dilution Factor: 1
Lab File ID : LB14016A                   Matrix: WATER
Ext Btch ID: 22DSB014W                   % Moisture: NA
Calib. Ref.: LB14003A                    Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.027	0.014	
Motor Oil	ND	0.055	0.027	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.523	0.545	96	60-130
Hexacosane	0.143	0.136	105	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 : 920ml Final Volume : 5ml
Prepared by : JMuert Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL      Date Collected: 02/07/22 09:31
Project    : 986269                          Date Received: 02/10/22
Batch No.  : 22B108                          Date Extracted: 02/10/22 15:30
Sample ID  : 202202090871                   Date Analyzed: 02/14/22 16:55
Lab Samp ID: 22B108-01                       Dilution Factor: 1
Lab File ID: LB14016A                        Matrix: WATER
Ext Btch ID: 22DSB014W                       % Moisture: NA
Calib. Ref.: LB14004A                       Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.055	0.027	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.523	0.545	96	60-130
Hexacosane	0.143	0.136	105	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 : 920ml Final Volume : 5ml
 Prepared by : JMuert Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL      Date Collected: 02/07/22 09:31
Project    : 986269                          Date Received: 02/10/22
Batch No.  : 22B108                          Date Extracted: 02/10/22 15:30
Sample ID  : 202202090871                   Date Analyzed: 02/14/22 16:55
Lab Samp ID: 22B108-01                      Dilution Factor: 1
Lab File ID: LB14016A                       Matrix: WATER
Ext Btch ID: 22DSB014W                      % Moisture: NA
Calib. Ref.: LB14005A                      Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP8	ND	0.055	0.027

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.523	0.545	96	60-130
Hexacosane	0.143	0.136	105	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 : 920ml 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: 02/10/22 15:30
Project    : 986269                       Date Received: 02/10/22
Batch No.  : 22B108                       Date Extracted: 02/10/22 15:30
Sample ID  : MBLK1W                       Date Analyzed: 02/14/22 16:00
Lab Samp ID: DSB014WB                    Dilution Factor: 1
Lab File ID: LB14013A                    Matrix: WATER
Ext Btch ID: 22DSB014W                  % Moisture: NA
Calib. Ref.: LB14003A                   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	0.386	0.500	77	60-130
Hexacosane	0.0970	0.125	78	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 : 986269
BATCH NO. : 22B108
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSB014WB DSB014WL
LAB FILE ID : LB14013A LB14010A
DATE PREPARED : 02/10/22 15:30 02/10/22 15:30
DATE ANALYZED : 02/14/22 16:00 02/14/22 15:05
PREP BATCH : 22DSB014W 22DSB014W
CALIBRATION REF: LB14003A LB14003A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Diesel	ND	2.50	2.42	97	50-130

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.477	95	60-130
Hexacosane	0.125	0.126	101	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986280
BATCH NO. : 22B109
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202202090890                       202202090890MSD
LAB SAMPLE ID : 22B109-01                         22B109-01S
LAB FILE ID  : LB14017A                          LB14019A
DATE PREPARED : 02/10/22 15:30                   02/10/22 15:30
DATE ANALYZED : 02/14/22 17:14                   02/14/22 17:51
PREP BATCH   : 22DSB014W                         22DSB014W
CALIBRATION REF: LB14003A                        LB14003A
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.65	2.95	111	2.60	2.82	108	5	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.530	0.524	99	0.520	0.480	92	60-130
Hexacosane	0.132	0.125	94	0.130	0.120	92	60-130

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL      Date Collected: 02/10/22 15:30
Project     : 986269                          Date Received: 02/10/22
Batch No.   : 22B108                          Date Extracted: 02/10/22 15:30
Sample ID   : MBLK1W                          Date Analyzed: 02/14/22 16:00
Lab Samp ID: DSB014WB                        Dilution Factor: 1
Lab File ID: LB14013A                        Matrix: WATER
Ext Btch ID: 22DSB014W                      % Moisture: NA
Calib. Ref.: LB14004A                       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	0.386	0.500	77	60-130
Hexacosane	0.0970	0.125	78	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 : JMuert Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986269
BATCH NO. : 22B108
METHOD : 3520C/8015B

=====

MATRIX	: WATER	% MOISTURE:NA
DILUTION FACTOR:	1	1
SAMPLE ID	: MBLK1W	LCS1W
LAB SAMPLE ID	: DSB014WB	J5B014WL
LAB FILE ID	: LB14013A	LB14011A
DATE PREPARED	: 02/10/22 15:30	02/10/22 15:30
DATE ANALYZED	: 02/14/22 16:00	02/14/22 15:23
PREP BATCH	: 22DSB014W	22DSB014W
CALIBRATION REF:	LB14004A	LB14004A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
JP5	ND	2.50	1.99	80	30-160

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.510	102	60-130
Hexacosane	0.125	0.123	98	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986280
BATCH NO. : 22B109
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202202090890                       202202090890MS
LAB SAMPLE ID : 22B109-01                         22B109-01S
LAB FILE ID  : LB14017A                          LB14021A
DATE PREPARED : 02/10/22 15:30                   02/10/22 15:30
DATE ANALYZED : 02/14/22 17:14                   02/14/22 18:28
PREP BATCH   : 22DSB014W                         22DSB014W
CALIBRATION REF: LB14004A                        LB14004A
=====
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.62	2.25	86	2.62	1.85	70	20	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.525	0.559	106	0.525	0.476	91	60-130
Hexacosane	0.131	0.108	82	0.131	0.111	85	60-130

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

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 02/10/22 15:30
Project     : 986269                      Date Received: 02/10/22
Batch No.   : 22B108                      Date Extracted: 02/10/22 15:30
Sample ID   : MBLK1W                     Date Analyzed: 02/14/22 16:00
Lab Samp ID : DSB014WB                   Dilution Factor: 1
Lab File ID : LB14013A                   Matrix: WATER
Ext Btch ID : 22DSB014W                  % Moisture: NA
Calib. Ref.: LB14005A                    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	0.386	0.500	77	60-130
Hexacosane	0.0970	0.125	78	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 : JMuert Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986269
BATCH NO. : 22B108
METHOD : 3520C/8015B

=====

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSB014WB J8B014WL
LAB FILE ID : LB14013A LB14012A
DATE PREPARED : 02/10/22 15:30 02/10/22 15:30
DATE ANALYZED : 02/14/22 16:00 02/14/22 15:42
PREP BATCH : 22DSB014W 22DSB014W
CALIBRATION REF: LB14005A LB14005A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
JP8	ND	2.50	1.63	65	30-160

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.461	92	60-130
Hexacosane	0.125	0.114	91	60-130

=====

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986280
BATCH NO. : 22B109
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 202202090890                       202202090890MSD
LAB SAMPLE ID : 22B109-01                         22B109-01S
LAB FILE ID  : LB14017A                          LB14023A
DATE PREPARED : 02/10/22 15:30                   02/10/22 15:30
DATE ANALYZED : 02/14/22 17:14                   02/14/22 19:04
PREP BATCH   : 22DSB014W                         22DSB014W
CALIBRATION REF: LB14005A                       LB14005A
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP8	ND	2.65	1.95	74	2.62	2.16	82	10	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.530	0.558	105	0.525	0.525	100	60-130
Hexacosane	0.132	0.130	98	0.131	0.115	88	60-130

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



Date: 2/14/2022

SDG Login Review Sheet

Client Code: EEA1201_
Client: Eurofins Eaton Analytical
Project: 986269 ✓

Send Report To: Attn: Jackie Contreras
Company: Eurofins Eaton Analytical
Address: 750 Royal Oaks Dr., Suite 100
Monrovia, CA 91016-3629

EMAX PM: Richard

Task Order #: NA

SDG: 22B130			DATE/ TIME RECEIVED: 2/11/2022 14:20			DUE DATE: 2/28/2022	
Lwks ID	Control #	Sample ID	Matrix	Coll Date	Time	Lwks Method	Analysis
EU42605	B130-01	202202090871 ✓	WATER	2/7/2022	9:31	TPHW	TPH Gasoline ✓
EU42606	B130-02	202202110009 ✓	WATER	2/7/2022	9:31	TPHW	TPH Gasoline ✓



Eaton Analytical

Ship To:

EMAX Laboratories, Inc.
3051 Fujita St.

Torrance, CA 90505

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

Folder #: 986269 **Report Due: 02/14/2022**

Submittal Form

Date: 2/11/2022

***REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers!**
Report & Invoice must have the Folder # 986269 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) 386-1166 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: 202202090871 **Client Sample ID for reference onl:** AIEA WELLS PUMP 2 (331-004-WL103)

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

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

Sample ID: 202202110009 **Client Sample ID for reference onl:** TRAVEL BLANK-AIEA WELLS PUMP 2 (331-004-WL103)

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

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

Relinquished by: Jackie Contreras **Sample Control** Date: 2/11/22 Time: 1:00

Received by: Ala R. **Sample Control** Date: 2/11/22 Time: 14:20

Relinquished by: **Sample Control** Date: Time: 0 2

Received by: **Sample Control** Date: Time: Temp. 3.5/3.0, 3.2/2.7

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn. Jackie Contreras



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

Date: 02-18-2022
EMAX Batch No.: 22B130

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 986269

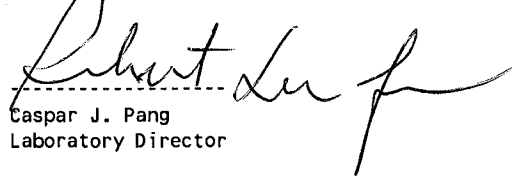
Enclosed is the Laboratory report for samples received on 02/11/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
202202090871	B130-01	02/07/22	WATER	TPH GASOLINE
202202110009	B130-02	02/07/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

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

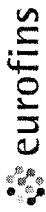
Sincerely yours,


Caspar J. Pang
Laboratory Director

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

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

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



Eaton Analytical

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

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

Folder #: 986269 Report Due: 02/14/2022

Sample ID: 202202090871 (1) Client Sample ID for reference on/ AIEA WELLS PUMP 2 (331-004-WL103)

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

Sample ID: 202202110009 (2) Client Sample ID for reference on/ TRAVEL BLANK: AIEA WELLS PUMP 2 (331-004-WL103)

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

Submittal Form

Date: 2/11/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers! Report & Invoice must have the Folder # 986269 Job # 1000014

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

Reports: Jackie Contreras Sub-Contracting Administrator
EMAIL TO: Eaton-MonroviaSubContracting@eurofinsnet.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: 3425 New Holland Pike, Lancaster, PA 17605

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

2-3 day rush

Sample Date & Time Matrix: 02/07/22 0931 DW Clip Code: PWSID Static ID: JLS

Sample Date & Time Matrix: 02/07/22 0931 DW Clip Code: PWSID Static ID: JLS

Relinquished by: J. Dow Sample Control Date: 2/11/22 Time: 14:20
Received by: A.R. Sample Control Date: 2/14/22 Time: 14:20
Relinquished by: Sample Control Date: Time: Time:
Received by: Sample Control Date: Time: Time:

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attain Jackie Contreras

Temp. 3.5/3.0, 3.2/2.7

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.

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LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

986269

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

SDG#: 22B130

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 986269

SDG : 22B130

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

A total of two(2) water samples were received on 02/11/22 to be analyzed for Total Petroleum Hydrocarbons by Purge and Trap in accordance with Method 5030B/8015B and project specific requirements.

Holding Time

Samples were analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. VG39B08B - result was compliant to project requirement. Refer to sample result summary form for details.

Lab Control Sample

Lab control sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of LCS/LCD was analyzed. VG39B08L/VG39B08C were within LCS limits. Refer to LCS summary form for details.

Matrix QC Sample

Matrix spike sample was prepared and analyzed at a frequency required by the project. For this SDG, one(1) set of MS/MSD was analyzed. Gasoline was within MS QC limits in B131-03M/B131-03S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

Client : EUROFINS EATON ANALYTICAL
Project : 986269

SDG NO. : 22B130
Instrument ID : GCT039

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis Date/Time	Extraction Date/Time					
MBLK1W	VG39B08B	1	NA	02/14/2212:03	02/14/2212:03	EB14005A	EB14003A	22VG39B08	Method Blank	
LCS1W	VG39B08L	1	NA	02/14/2212:40	02/14/2212:40	EB14006A	EB14003A	22VG39B08	Lab Control Sample (LCS)	
LCD1W	VG39B08C	1	NA	02/14/2213:16	02/14/2213:16	EB14007A	EB14003A	22VG39B08	LCS Duplicate	
202202090871	B130-01	1	NA	02/14/2218:08	02/14/2218:08	EB14015A	EB14013A	22VG39B08	Field Sample	
202202110009	B130-02	1	NA	02/14/2218:44	02/14/2218:44	EB14016A	EB14013A	22VG39B08	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: 02/07/22 09:31
Project     : 986269                     Date Received: 02/11/22
Batch No.   : 22B130                     Date Extracted: 02/14/22 18:08
Sample ID   : 202202090871              Date Analyzed: 02/14/22 18:08
Lab Samp ID : B130-01                    Dilution Factor: 1
Lab File ID : EB14015A                   Matrix: WATER
Ext Btch ID : 22VG39B08                  % Moisture: NA
Calib. Ref.: EB14013A                    Instrument ID: 39
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)		
GASOLINE	ND	0.020	0.010		
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT	
Bromofluorobenzene	0.0320	0.0400	80	60-140	

Notes:

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

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

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 02/07/22 09:31
Project     : 986269                      Date Received: 02/11/22
Batch No.   : 22B130                      Date Extracted: 02/14/22 18:44
Sample ID   : 202202110009                Date Analyzed: 02/14/22 18:44
Lab Samp ID : B130-02                     Dilution Factor: 1
Lab File ID : EB14016A                    Matrix: WATER
Ext Btch ID : 22VG39B08                   % Moisture: NA
Calib. Ref.: EB14013A                     Instrument ID: 39
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0320	0.0400	80	60-140

Notes:

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

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

QC SUMMARIES

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 02/14/22 12:03
Project     : 986269                     Date Received: 02/14/22
Batch No.   : 22B130                     Date Extracted: 02/14/22 12:03
Sample ID   : MBLK1W                     Date Analyzed: 02/14/22 12:03
Lab Samp ID: VG39B08B                    Dilution Factor: 1
Lab File ID: EB14005A                    Matrix: WATER
Ext Btch ID: 22VG39B08                   % Moisture: NA
Calib. Ref.: EB14003A                    Instrument ID: 39
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0317	0.0400	79	60-140

Notes:

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

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

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986269
BATCH NO. : 22B130
METHOD : 5030B/8015B

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

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND	0.500	0.483	97	0.500	0.461	92	5	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0412	103	0.0400	0.0404	101	70-130

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

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 986743
BATCH NO. : 22B131
METHOD : 5030B/8015B

```

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

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Gasoline	ND	0.500	0.494	99	0.500	0.480	96	3	50-130	30

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

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