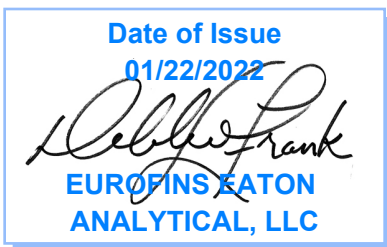


750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

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: 977239
Project: RED-HILL
Group: TPH-8015_Red_Hill(2021)

* 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 #: 977239
 Project: RED-HILL
 Sample Group: TPH-8015_Red_Hill(2021)

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

The following samples were received from you on **December 28, 2021 at 1302**. 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>202112280768</u>	HALAWA WELLS P2 (331-024-WL064)	12/27/2021 0956
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202112280769</u>	TB: HALAWA WELLS P2 (331-024-WL064)	12/27/2021 0956
	(SUB)Gas Fraction Hydrocarbons	
<u>202112280770</u>	AIEA WELLS P2 (260)-331-004-WL103	12/27/2021 1034
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202112280771</u>	TB: AIEA WELLS P2 (260)-331-004-WL103	12/27/2021 1034
	(SUB)Gas Fraction Hydrocarbons	
<u>202112280772</u>	AIEA GULCH WELLS P1 (331-201-TP071)	12/26/2021 0931
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202112280773</u>	TB:AIEA GULCH WELLS P1 (331-201-TP071)	12/26/2021 0931
	(SUB)Gas Fraction Hydrocarbons	
<u>202112280774</u>	AIEA GULCH WELLS P2 (331-202-TP072)	12/26/2021 0937
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202112280775</u>	TB:AIEA GULCH WELLS P2 (331-202-TP072)	12/26/2021 0937
	(SUB)Gas Fraction Hydrocarbons	
<u>202112280776</u>	MOANALUA WELLS (331-223-TP202)	12/26/2021 0827
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	
<u>202112280777</u>	TB:MOANALUA WELLS (331-223-TP202)	12/26/2021 0827
	(SUB)Gas Fraction Hydrocarbons	
<u>202112280778</u>	HALAWA SHAFT-331-241-TP401	12/27/2021 0928
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil TPH 8015 Jet Fuel 5 TPH 8015 Jef Fuel 8	

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 #: 977239
Project: RED-HILL
Sample Group: TPH-8015_Red_Hill(2021)

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

The following samples were received from you on **December 28, 2021 at 1302**. 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
202112280779	TB:HALAWA SHAFT-331-241-TP401	12/27/2021 0928
	(SUB)Gas Fraction Hydrocarbons	

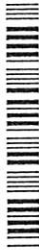
Test Description

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

Kit Order for Honolulu Board of Water Supply
 Debbie L Frank is your Eurofins Eaton Analytical, LLC Service Manager

Created Date & Time: 12/10/2021 7:11:00PM

Kit #: 307673

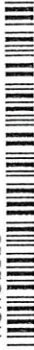


Created By: - [AutoGenerated]
 Deliver By: 12/22/2021
 STG: Bottle Orders

Ice Type: G
 Pre Registered

Note: Sampler Please return this paper with your samples

Client ID: HONOLULU



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

Ship Sample Kits to
 Honolulu Board of Water Supply
 630 South Beretania Street
 Chemistry Lab
 Honolulu, HI 96843
 Attn: Ron Fenstemacher
 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	@625A_Physis-G; @625BN_Physis-G; @625PAH_Physis_TICS_C	4	4 - 1L amberglass [1 ml Thio 8%]	4	
1	TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C	4	4 - 1L amber glass [1 ml Thio 8%]	6	
1	8015 Gas_C	3	3 - 40ml amber glass vial [1 drop Thio (8%)]	3	
1	8015 Gas_C TB	2	2 - 40ml amber glass vial [1 drop Thio (8%) + H2O]	2	
1	@VOASDWA-G-plus-plus-TIGs-TBC	3	3 - 40ml-amber-glass-vial [25mg-AA+H2O+10 drop 1:1-HCL]	3	UN1789
1	@VOASDWA-G-plus-plus-TIGs-G	3	3 - 40ml-amber-glass-vial [25mg-Ascorbic+drop 2ml 1:1 HCL]	3	UN1789
1	@8015 Ethanol_Subbed	3	3 - 40ml-amber-glass-vial [no-preservative]	3	
Sum Tests: 7				Sum Bottles: 24	

Comments

SITE ID:
 HALAWA WELLS (331-206-TP065)
 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 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

977237

9772477



Eaton Analytical

EEA Folder Number:

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

IR Gun ID = 401 (Observation = 3.6 °C) (Corr.Factor = 0.02 °C) (Final = 3.4 °C)

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

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

Compliance Acceptance Criteria:

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

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

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

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

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): _____

SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
<i>Chris Breck</i>	Chris Breck	Eurofins Eaton Analytical	12-28-21	1336
SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
		Eurofins Eaton Analytical		

SAMPLES CHECKED AGAINST COC BY:

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

SHIP DATE: 27DEC21
ACTWGT: 70.00 LB
CAD: 100205419/NET4400
BILL RECIPIENT

TO C CHUCK

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

56DJ3/E934/FE4A



2 of 2

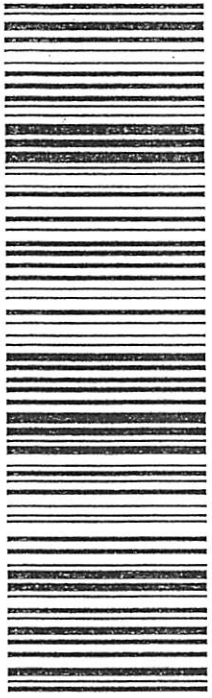
MPS# 7756 0764 5055
MST# 7756 0764 4195

0201

TUE - 28 DEC 11:30A
PRIORITY OVERNIGHT

WZ WHPA

CA-US BUR 91016



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Handwritten signatures and numbers:
 9777239
 9777247
 12/28



Eaton Analytical

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 (666) 988-3757

Kit #: 307672

Created By: - [AutoGenerated]
Deliver By: 12/22/2021
STG: Bottle Orders
Ice Type: G

Pre Registered

Created Date & Time: 12/10/2021 7:10:51PM

977247 2/208

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) - Ever

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	@625A_Physis-G, @625BN_Physis-G, @625PAH_Physis_TICS_C	4	1L	amber glass [1 ml Thio 8%]	4	
1	TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C	1	6"	1L amber glass [1 ml Thio 8%]	6	
1	8015 Gas_C	3	40ml	amber glass vial [1 drop Thio (8%)]	3	
1	8015 Gas_C TB	2	40ml	amber glass vial [1 drop Thio (8%) + H2O]	2	
1	@VOASDWA-G plus plus TICs-TBC	3	40ml	amber glass vial [25mg-AA+H2O+10 drop 1:1 HCL]	3	UN1789
1	@VOASDWA-C plus plus TICs-C	3	40ml	amber glass vial [25mg-Ascorbic+drop 2ml-1:1 HCL]	3	UN1789
1	@8015.Ethanol_Subbed	3	40ml	amber glass vial [no preservative]	3	
Sum Tests: 7					Sum Bottles: 24	

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

ORIGIN ID: HKA (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: 27DEC21
ACTWGT: 70.00 LB
CAD: 100205419/NET4400

BILL RECIPIENT

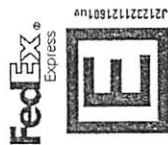
TO C CHUCK

EUROFINS EATON ANALYTICAL, INC
750 ROYAL OAKS DR
SUITE 100

MONROVIA CA 91016
REF: (626) 386-1178

56DJ3/E934/FE4A

DEPT:



TUE - 28 DEC 11:30A
PRIORITY OVERNIGHT

2 of 2

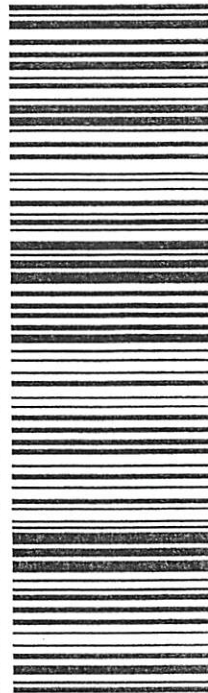
MPS# 7756 0764 5055

Mstr# 7756 0764 4195

0201

91016
BUR
CA-US

WZ WHPA



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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.

977239
977247
R 12/28

977239
977247
Dex

INTERNAL CHAIN OF CUSTODY RECORD

eurolfins | Eaton Analytical

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 = 1.2 °C) (Corr.Factor = -0.2 °C) (Final = 1.0 °C)
TYPE OF ICE: Real Synthetic No Ice Partially Frozen Thawed N/A
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(6251,552), 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>Chris Brooks</u>	SIGNATURE: <u>Chris Brooks</u>	PRINT NAME: <u>Chris Brooks</u>	DATE: <u>12-28-21</u>	TIME: <u>1302</u>
SAMPLES CHECKED AGAINST COC BY: _____			COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: _____
SIGNATURE: _____			COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: _____

ORIGIN ID:HIKA (809) 749-5840
 BMS CHEM LAB
 HONOLULU BOARD OF WATER SUPPLY
 630 S. BERETANIA ST.
 CHEMICAL LABORATORY
 HONOLULU HI 96843
 UNITED STATES US

SHIP DATE: 27DEC21
 ACTWGT: 56.00 LB
 CAD: 100205419/NET4400
 BILL RECIPIENT

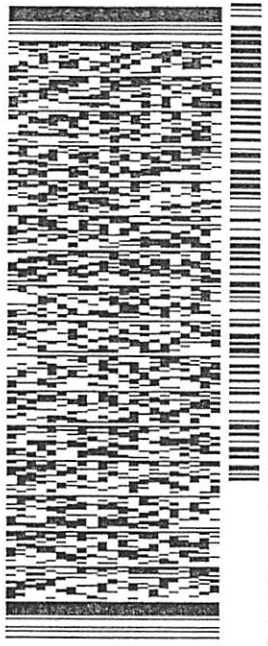
TO C CHUCK

EUROFINS EATON ANALYTICAL, INC
 750 ROYAL OAKS DR
 SUITE 100

MONROVIA CA 91016

REF: (626) 386-1178
 INV: PO: DEPT:

56DJ3/E934/FE4A



1 of 2

TRK# 7756 0764 4195
 [0201]

MASTER

TUE - 28 DEC 11:30A
 PRIORITY OVERNIGHT

WZ WHPA

91016
 CA-US BUR



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Handwritten notes:
 9777231
 9777247
 12/28

977235
977247
J 28



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 = 1.2 °C) (Corr.Factor = -0.2 °C) (Final = 1.0 °C)
TYPE OF ICE: Real Synthetic No Ice Partially Frozen Thawed N/A

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

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

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

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

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

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(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients: _____

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

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

RECEIVED BY: Chun Brooks SIGNATURE PRINT NAME
DATE: 12-28-21 TIME: 1302

SAMPLES CHECKED AGAINST COC BY: _____ SIGNATURE PRINT NAME
DATE: _____ TIME: _____

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

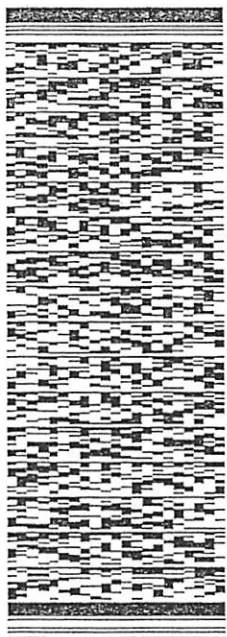
SHIP DATE: 27DEC21
ACTWTG: 56.00 LB
CAD: 100205419/NET1400
BILL RECIPIENT

TO C CHUCK

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

REF: (626) 386-1178
INV: (626) 386-1178
PO: DEPT:

56D.J/E934/FE4A



J212321121601uv

TUE - 28 DEC 11:30A

PRIORITY OVERNIGHT

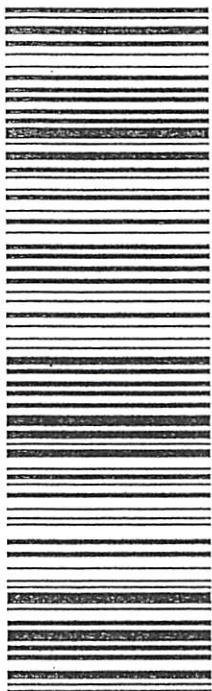
1 of 2

TRK# 7756 0764 4195
0201

MASTER

WZ WHPA

91016
CA-US BUR



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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.

Handwritten blue ink markings: 9772235, 977247, and a signature.

9777239
977247
DZS

INTERNAL CHAIN OF CUSTODY RECORD

eurolins | Eaton Analytical

EEA Folder Number: 401
 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 = 1.2 °C) (Corr.Factor = -0.2 °C) (Final = 1.0 °C)
 TYPE OF ICE: Real Synthetic No Ice
 CONDITION OF ICE: Frozen Partially Frozen Thawed N/A

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

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

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

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

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

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

Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles)
 Exempt from headspace concerns: Methods 515.4, HAA(6251,562), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

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

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

RECEIVED BY: <u>Chris Brooks</u>	PRINT NAME: <u>Chris Brooks</u>	DATE: <u>12-28-21</u>	TIME: <u>1302</u>
SAMPLES CHECKED AGAINST COC BY: _____	PRINT NAME: _____	DATE: _____	TIME: _____

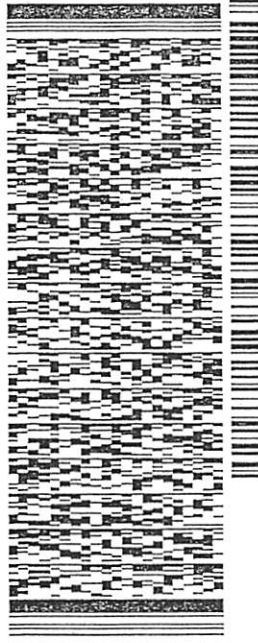
ORIGIN ID:HIKA (808) 748-5840
BWS CHEM LAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST.
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 27DEC21
ACTW/GT: 56.00 LB
CAD: 100205419/INNET4400
BILL RECIPIENT

TO C CHUCK

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

56D.J3/E934/FE4A



1 of 2

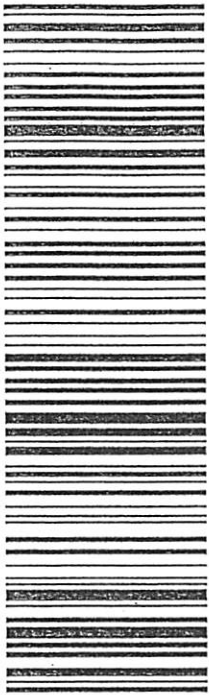
TRK# 7756 0764 4195
0201

MASTER

TUE - 28 DEC 11:30A
PRIORITY OVERNIGHT

WZ WHPA

91016
CA-US BUR



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9777234
9772417
12/28



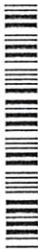
Eaton Analytical

Kit Order for Honolulu Board of Water Supply

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

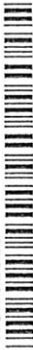
750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 386-1100 FAX (866) 988-3757

Kit #: 307670



Created By: - [AutoGenerated]
Deliver By: 12/22/2021
STG: Bottle Orders
Ice Type: G
Pre Registered

Client ID: HONOLULU



Project Code: RED-HILL Bottle Orders
Group Name: Red-Hill Expanded List (Albuquerque+)
PO#/JOB#: C20525101 exp 05312023
Description: HALAWA SHAFT - Every 1 week on W

Note: Sampler Please return this paper with your samples

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

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

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

# of Sample	Tests	Bottle Qty	Type [preservative information]	Total	UN DOT #
4	@625A-Physie-G_@625BN-Physie-G_@625PAH_Physis_TICS_C	8	1L-amber-glass [1 ml Thio 0%]	8	
1	TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel 5_C, TPH 8015 Jet Fuel 8_C	4	1L amber glass [1 ml Thio 8%]	9	
1	8015 Gas_C	3	40ml amber glass vial [1 drop Thio (8%)]	3	
1	8015 Gas_C TB	2	40ml amber glass vial [1 drop Thio (8%) + H2O]	2	
1	@VQASDWA-G-plus-plus-HGs-TBG	3	40ml-amber-glass-vial [25mg-AA+H2O+10-drop-1-1-HCL]	3	UN1780
1	@VQASDWA-C-plus-plus-IICs-C	3	40ml-amber-glass-vial [25mg-Ascorbic+drop-2ml-1-1-HCL]	3	UN1780
1	@9014-Ethanol-Subbed	1	40ml-amber-glass-vial [no preservative]	1	
Sum Tests: 7				Sum Bottles: 32	

Sum Bottles: 32

Comments

2nd MS/MSD
SITE ID:
331-241 HALAWA SHAFT
SAMPLER: Eight 1 LITER AMBER GLASS BOTTLES FOR 625 SERIES and Nine 1 LITER AMBER GLASS BOTTLES FOR TPH 8015 SERIES.

977239
977247
[Signature]

INTERNAL CHAIN OF CUSTODY RECORD

euoifins | Eaton Analytical

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 = 3.6 °C) (Corr.Factor = 0.02 °C) (Final = 3.4 °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(0251,552), 505, SP/ME, @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>Chris Breck</u>	PRINT NAME: <u>Chris Breck</u>	COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: <u>12-28-21</u>	TIME: <u>1336</u>
SAMPLES CHECKED AGAINST COC BY: _____	SIGNATURE: _____	COMPANY/TITLE: <u>Eurofins Eaton Analytical</u>	DATE: _____	TIME: _____

ORIGIN ID:HIKA (608) 748-5640
 BWS-CHEMLAB
 HONOLULU BOARD OF WATER SUPPLY
 630 S. BERETANIA ST.
 CHEMICAL LABORATORY
 HONOLULU, HI 96843
 UNITED STATES US

SHIP DATE: 27DEC21
 ACTWGT: 70.00 LB
 CAD: 100205419/INET4400

BILL RECIPIENT

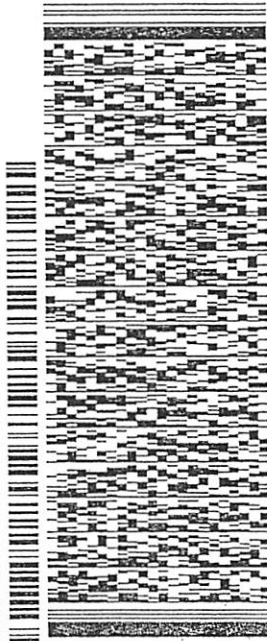
TO C CHUCK

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

INV: (626) 386-1178 REF:

56DJ3/E934/FE4A

PO: DEPT:



TUE - 28 DEC 11:30A
 PRIORITY OVERNIGHT

2 of 2

MPS# 7756 0764 5055

0263

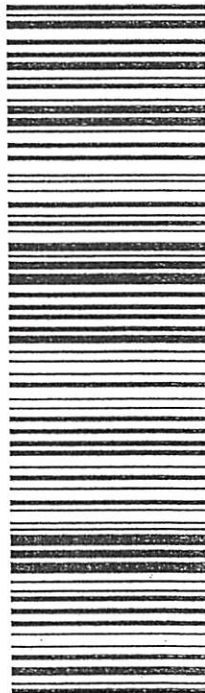
Mstr# 7756 0764 4195

91016

WZ WHPA

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.
2. Fold the printed page along the horizontal line.
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977239
 977247
 12/28

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

Laboratory Comments

Report: 977239
Project: RED-HILL
Group: TPH-8015_Red_Hill(2021)

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 and Motor Oil and submitted by Emax Laboratories

Samples are received in multiple coolers. Earliest receipt time and highest receipt temperature is logged for the folder. deb122821

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

Report: 977239
Project: RED-HILL
Group: TPH-8015_Red_Hill(2021)

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

Samples Received on:
12/28/2021 1302

Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL
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Tel: (626) 386-1100
 Fax: (626) 988-3757
 1 800 566 LABS (1 800 566 5227)

Report: 977239
 Project: RED-HILL
 Group: TPH-8015_Red_Hill(2021)

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

Samples Received on:
 12/28/2021 1302

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>HALAWA WELLS P2 (331-024-WL064) (202112280768)</u>						Sampled on 12/27/2021 0956			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 14:48			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
12/29/21	12/30/21 15:42			(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
12/29/21	12/30/21 15:42			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.05	1
EPA 8015 - Jet Fuel 5 C8-C18									
12/29/21	12/30/21 15:42			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.05	1
EPA 8015 - Jet Fuel 8 C8-C18									
	12/30/21 15:42			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.05	1
<u>TB: HALAWA WELLS P2 (331-024-WL064) (202112280769)</u>						Sampled on 12/27/2021 0956			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 16:44			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>AIEA WELLS P2 (260)-331-004-WL103 (202112280770)</u>						Sampled on 12/27/2021 1034			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 17:20			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
12/29/21	12/30/21 16:35			(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
12/29/21	12/30/21 16:35			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.048	1
EPA 8015 - Jet Fuel 5 C8-C18									
12/29/21	12/30/21 16:35			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.048	1
EPA 8015 - Jet Fuel 8 C8-C18									
	12/30/21 16:35			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.048	1
<u>TB: AIEA WELLS P2 (260)-331-004-WL103 (202112280771)</u>						Sampled on 12/27/2021 1034			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 17:57			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>AIEA GULCH WELLS P1 (331-201-TP071) (202112280772)</u>						Sampled on 12/26/2021 0931			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 18:33			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
12/29/21	12/30/21 17:29			(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
12/29/21	12/30/21 17:29			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.048	1
EPA 8015 - Jet Fuel 5 C8-C18									

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: (626) 988-3757
 1 800 566 LABS (1 800 566 5227)

Report: 977239
 Project: RED-HILL
 Group: TPH-8015_Red_Hill(2021)

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

Samples Received on:
 12/28/2021 1302

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
12/29/21	12/30/21 17:29			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.048	1
EPA 8015 - Jet Fuel 8 C8-C18									
	12/30/21 17:29			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.048	1
<u>TB:AIEA GULCH WELLS P1 (331-201-TP071) (202112280773)</u>						Sampled on 12/26/2021 0931			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 19:10			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>AIEA GULCH WELLS P2 (331-202-TP072) (202112280774)</u>						Sampled on 12/26/2021 0937			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 19:46			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
12/29/21	12/30/21 17:47			(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
12/29/21	12/30/21 17:47			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.049	1
EPA 8015 - Jet Fuel 5 C8-C18									
12/29/21	12/30/21 17:47			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.049	1
EPA 8015 - Jet Fuel 8 C8-C18									
	12/30/21 17:47			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.049	1
<u>TB:AIEA GULCH WELLS P2 (331-202-TP072) (202112280775)</u>						Sampled on 12/26/2021 0937			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 20:22			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>MOANALUA WELLS (331-223-TP202) (202112280776)</u>						Sampled on 12/26/2021 0827			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 20:59			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
12/29/21	12/30/21 18:40			(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
12/29/21	12/30/21 18:40			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.051	1
EPA 8015 - Jet Fuel 5 C8-C18									
12/30/21	12/30/21 18:40			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.051	1
EPA 8015 - Jet Fuel 8 C8-C18									
	12/30/21 18:40			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.051	1
<u>TB:MOANALUA WELLS (331-223-TP202) (202112280777)</u>						Sampled on 12/26/2021 0827			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 21:35			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>HALAWA SHAFT-331-241-TP401 (202112280778)</u>						Sampled on 12/27/2021 0928			

Rounding on totals after summation.
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Report: 977239
 Project: RED-HILL
 Group: TPH-8015_Red_Hill(2021)

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

Samples Received on:
 12/28/2021 1302

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 23:25			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
12/29/21	12/30/21 18:58			(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
12/29/21	12/30/21 18:58			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.049	1
EPA 8015 - Jet Fuel 5 C8-C18									
12/29/21	12/30/21 18:58			(EPA 8015)	Jet Fuel 5	ND	mg/L	0.049	1
EPA 8015 - Jet Fuel 8 C8-C18									
	12/30/21 18:58			(EPA 8015)	Jet Fuel 8	ND	mg/L	0.049	1
<u>TB:HALAWA SHAFT-331-241-TP401 (202112280779)</u>						Sampled on 12/27/2021 0928			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
12/29/21	12/29/21 00:01			(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: 01-13-2022
 EMAX Batch No.: 21L273

Attn: Jackie Contreras

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

Subject: Laboratory Report
 Project: 977239

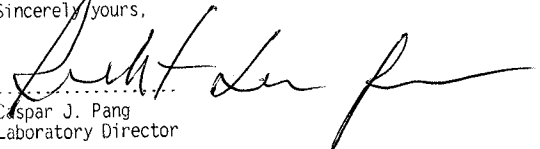
Enclosed is the Laboratory report for samples received on 12/28/21.
 The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
20211280768	L273-01	12/27/21	WATER	TPH GASOLINE TPH
20211280768MS	L273-01M	12/27/21	WATER	TPH GASOLINE TPH DIESEL
20211280768MSD	L273-01S	12/27/21	WATER	TPH GASOLINE TPH DIESEL
20211280769	L273-02	12/27/21	WATER	TPH GASOLINE
20211280770	L273-03	12/27/21	WATER	TPH GASOLINE TPH
20211280770MS	L273-03M	12/27/21	WATER	TPH JP-5
20211280770MSD	L273-03S	12/27/21	WATER	TPH JP-5
20211280771	L273-04	12/27/21	WATER	TPH GASOLINE
20211280772	L273-05	12/26/21	WATER	TPH GASOLINE TPH
20211280773	L273-06	12/26/21	WATER	TPH GASOLINE
20211280774	L273-07	12/26/21	WATER	TPH GASOLINE TPH
20211280774MS	L273-07M	12/26/21	WATER	TPH JP-8
20211280774MSD	L273-07S	12/26/21	WATER	TPH JP-8
20211280775	L273-08	12/26/21	WATER	TPH GASOLINE
20211280776	L273-09	12/26/21	WATER	TPH GASOLINE TPH
20211280777	L273-10	12/26/21	WATER	TPH GASOLINE
20211280778	L273-11	12/27/21	WATER	TPH GASOLINE TPH
20211280779	L273-12	12/27/21	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

Submittal Form

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers! Report & Invoice must have the Folder# 977239 Job # 1000014

211273

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.

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

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

RUSH order

Folder #: 977239 Report Due: 12/30/2021

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

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

Sample ID	202112280768	Client Sample ID for reference on/ HALAWA WELLS P2 (331-024-WL064)	Sample Date & Time	12/27/21 0956 DW	Clip Code	PWSID	JLS
Sample type:		Sample Event:	Facility ID:	Sample Point ID:	Static ID:		

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

Sample ID	202112280769	Client Sample ID for reference on/ TB: HALAWA WELLS P2 (331-024-WL064)	Sample Date & Time	12/27/21 0956 DW	Clip Code	PWSID	JLS
Sample type:		Sample Event:	Facility ID:	Sample Point ID:	Static ID:		

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

Sample ID	202112280770	Client Sample ID for reference on/ AIEA WELLS P2 (260)-331-004-WL103	Sample Date & Time	12/27/21 1034 DW	Clip Code	PWSID	JLS
Sample type:		Sample Event:	Facility ID:	Sample Point ID:	Static ID:		

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

Relinquished by: *[Signature]* Sample Control Date: 12/28/21 Time: 16:14

Received by: *[Signature]* Date: 12/28/21 Time: 16:14

Relinquished by: *[Signature]* Sample Control Date: 12/28/20 Time: 17:55

Received by: *[Signature]* Date: 12/28/20 Time: 17:55

Temp: 11.6°
20.6°

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

Sample ID 202112280771	Client Sample ID for reference on! TB:AIEA WELLS P2 (260)-331-004-WL103	Sample Date & Time Matrix 12/27/21 1034 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Sample ID 202112280772	Client Sample ID for reference on! AIEA GULCH WELLS P1 (331-201-TP071)	Sample Date & Time Matrix 12/26/21 0931 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Sample ID 202112280773	Client Sample ID for reference on! TB:AIEA GULCH WELLS P1 (331-201-TP071)	Sample Date & Time Matrix 12/26/21 0931 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Sample ID 202112280774	Client Sample ID for reference on! AIEA GULCH WELLS P2 (331-202-TP072)	Sample Date & Time Matrix 12/26/21 0937 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Sample ID 202112280775	Client Sample ID for reference on! TB:AIEA GULCH WELLS P2 (331-202-TP072)	Sample Date & Time Matrix 12/26/21 0937 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Relinquished by: [Signature] Sample Control Date 12/28 Time 1614

Received by: [Signature] Date 12/28/21 Time 1614

Relinquished by: [Signature] Sample Control Date 12/28/21 Time 1755

Received by: [Signature] Date 12/28/21 Time 1755

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

Sample ID 202112280776	Client Sample ID for reference on! MOANALUA WELLS (331-223-TP202)	Sample Date & Time Matrix 12/26/21 0827 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Sample ID 202112280777	Client Sample ID for reference on! TB:MOANALUA WELLS (331-223-TP202)	Sample Date & Time Matrix 12/26/21 0827 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Sample ID 202112280778	Client Sample ID for reference on! HALAWA SHAFT-331-241-TP401	Sample Date & Time Matrix 12/27/21 0928 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Sample ID 202112280779	Client Sample ID for reference on! TB:HALAWA SHAFT-331-241-TP401	Sample Date & Time Matrix 12/27/21 0928 DW	Clip Code	PWSID	JLS
Sample type:	Sample Event:	Sample Point ID:	Facility ID:	Static ID:	

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

Relinquished by: [Signature] Sample Control Date 12/28/21 Time 1614

Received by: [Signature] Date 12/28/21 Time 1614

Relinquished by: [Signature] Sample Control Date 12/28/21 Time 1755

Received by: [Signature] Date 12/28/21 Time 1755

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

Type of Delivery <input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> GSO <input type="checkbox"/> Others	Airbill / Tracking Number	ECN <u>21L273</u>
<input type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery		Recipient <u>Andy</u>
		Date <u>12/29/21</u> Time <u>1755</u>

COC INSPECTION

<input checked="" type="checkbox"/> Client Name	<input checked="" type="checkbox"/> Client PM/FC	<input type="checkbox"/> Sampler Name	<input checked="" type="checkbox"/> Sampling Date/Time	<input checked="" type="checkbox"/> Sample ID	<input checked="" type="checkbox"/> Matrix
<input checked="" type="checkbox"/> Address	<input type="checkbox"/> Tel # / Fax #	<input checked="" type="checkbox"/> Courier Signature	<input checked="" type="checkbox"/> Analysis Required	<input type="checkbox"/> Preservative (if any)	<input checked="" type="checkbox"/> ATAT
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	<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>1.6</u> °C	<input checked="" type="checkbox"/> Cooler 2 <u>0.6</u> °C	<input type="checkbox"/> Cooler 3 _____ °C
	<input type="checkbox"/> Cooler 6 _____ °C	<input type="checkbox"/> Cooler 7 _____ °C	<input type="checkbox"/> Cooler 4 _____ °C
Thermometer: _____	A - S/N <u>210271066</u> a 1/14	B - S/N <u>210271390</u>	<input type="checkbox"/> Cooler 5 _____ °C
		C - S/N <u>210271399</u>	<input type="checkbox"/> Cooler 8 _____ °C
			<input type="checkbox"/> Cooler 9 _____ °C
			<input type="checkbox"/> Cooler 10 _____ °C
Comments: <input type="checkbox"/> Temperature is out of range. PM was informed IMMEDIATELY.			
Note: _____			

DISCREPANCIES

LabSampleID	LabSampleContainerID	Code	ClientSample Label ID / Information	Corrective Action
6	16	D22		R1
8	22	D23		R1
10	28	D24		R1
11	31	D7	Label - 12/8 and 12/27	R1
12	31	D7	Label 12/14 and 12/27	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 #5 has only 1-16

LEGEND:

<p>Code Description-Sample Management</p> <p>D1 Analysis is not indicated in _____</p> <p>D2 Analysis mismatch COC vs label</p> <p>D3 Sample ID mismatch COC vs label</p> <p>D4 Sample ID is not indicated in _____</p> <p>D5 Container -[improper] [leaking] [broken]</p> <p>D6 Date/Time is not indicated in _____</p> <p>D7 Date/Time mismatch COC vs label</p> <p>D8 Sample listed in COC is not received</p> <p>D9 Sample received is not listed in COC</p> <p>D10 No initial/date on corrections in COC/label</p> <p>D11 Container count mismatch COC vs received</p> <p>D12 Container size mismatch COC vs received</p>	<p>Code Description-Sample Management</p> <p>D13 Out of Holding Time</p> <p>D14 Bubble is >6mm</p> <p>D15 No trip blank in cooler</p> <p>D16 Preservation not indicated in _____</p> <p>D17 Preservation mismatch COC vs label</p> <p>D18 Insufficient chemical preservative</p> <p>D19 Insufficient Sample</p> <p>D20 No filtration info for dissolved analysis</p> <p>D21 No sample for moisture determination</p> <p>D22 <u>2 dates 12/20 + 12/26</u></p> <p>D23 <u>2 dates 12/15 + 12/26</u></p> <p>D24 <u>2 dates 12/9 + 12/26</u></p>	<p><input type="checkbox"/> Continue to next page.</p> <p>Code Description-Sample Management</p> <p>R1 Proceed as indicated in <input checked="" type="checkbox"/> COC <input type="checkbox"/> Label</p> <p>R2 Refer to attached instruction</p> <p>R3 Cancel the analysis</p> <p>R4 Use vial with smallest bubble first</p> <p>R5 Log-in with latest sampling date and time+1 min</p> <p>R6 Adjust pH as necessary</p> <p>R7 Filter and preserved as necessary</p> <p>R8 _____</p> <p>R9 _____</p> <p>R10 _____</p> <p>R11 _____</p> <p>R12 _____</p>
---	---	--

REVIEWS:

Sample Labeling <u>Sohanna Ramirez</u>	SRF <u>Allyson</u>	PM <u>Am</u>
Date <u>12/29/21</u>	Date <u>12/29/21</u>	Date <u>12/29/21</u>

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

977239

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

SDG#: 21L273

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 977239

SDG : 21L273

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

A total of twelve(12) water samples were received on 12/28/21 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. VG39L12B - 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. VG39L12L/VG39L12C 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 L273-01M/L273-01S. 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.

SAMPLE RESULTS

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 09:56
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 14:18
Sample ID   : 20211280768                Date Analyzed: 12/29/21 14:18
Lab Samp ID: L273-01                     Dilution Factor: 1
Lab File ID: EL29008A                    Matrix: WATER
Ext Btch ID: 21VG39L12                   % Moisture: NA
Calib. Ref.: EL29003A                    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	0.0257	0.0400	64	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: 12/27/21 10:34
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 17:20
Sample ID   : 20211280770                Date Analyzed: 12/29/21 17:20
Lab Samp ID: L273-03                     Dilution Factor: 1
Lab File ID: EL29013A                    Matrix: WATER
Ext Btch ID: 21VG39L12                   % Moisture: NA
Calib. Ref.: EL29011A                    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	0.0355	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

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 10:34
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 17:57
Sample ID   : 20211280771                Date Analyzed: 12/29/21 17:57
Lab Samp ID : L273-04                     Dilution Factor: 1
Lab File ID : EL29014A                   Matrix: WATER
Ext Btch ID: 21VG39L12                   % Moisture: NA
Calib. Ref.: EL29011A                    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	0.0333	0.0400	83	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: 12/26/21 09:31
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 19:10
Sample ID   : 20211280773                Date Analyzed: 12/29/21 19:10
Lab Samp ID: L273-06                      Dilution Factor: 1
Lab File ID: EL29016A                    Matrix: WATER
Ext Btch ID: 21VG39L12                   % Moisture: NA
Calib. Ref.: EL29011A                    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	0.0309	0.0400	77	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: 12/26/21 09:37
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 19:46
Sample ID   : 20211280774               Date Analyzed: 12/29/21 19:46
Lab Samp ID: L273-07                     Dilution Factor: 1
Lab File ID: EL29017A                    Matrix: WATER
Ext Btch ID: 21VG39L12                   % Moisture: NA
Calib. Ref.: EL29011A                    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	0.0357	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

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 09:37
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 20:22
Sample ID   : 20211280775                Date Analyzed: 12/29/21 20:22
Lab Samp ID: L273-08                     Dilution Factor: 1
Lab File ID: EL29018A                    Matrix: WATER
Ext Btch ID: 21VG39L12                   % Moisture: NA
Calib. Ref.: EL29011A                    Instrument ID: 39
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)		
GASOLINE	ND	0.020	0.010		
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT	
Bromofluorobenzene	0.0328	0.0400	82	60-140	

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: 12/26/21 08:27
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 21:35
Sample ID   : 20211280777                Date Analyzed: 12/29/21 21:35
Lab Samp ID: L273-10                     Dilution Factor: 1
Lab File ID: EL29020A                    Matrix: WATER
Ext Btch ID: 21VG39L12                   % Moisture: NA
Calib. Ref.: EL29011A                    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	0.0337	0.0400	84	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: 12/27/21 09:28
Project    : 977239                      Date Received: 12/28/21
Batch No.  : 21L273                      Date Extracted: 12/30/21 00:01
Sample ID  : 20211280779                Date Analyzed: 12/30/21 00:01
Lab Samp ID: L273-12                    Dilution Factor: 1
Lab File ID: EL29024A                   Matrix: WATER
Ext Btch ID: 21VG39L12                  % Moisture: NA
Calib. Ref.: EL29021A                   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	0.0336	0.0400	84	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

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 977239
BATCH NO. : 21L273
METHOD : 5030B/8015B

MATRIX	: WATER		% MOISTURE:NA
DILUTION FACTOR:	1	1	1
SAMPLE ID	: MBLK1W	LCS1W	LCD1W
LAB SAMPLE ID	: VG39L12B	VG39L12L	VG39L12C
LAB FILE ID	: EL29005A	EL29006A	EL29007A
DATE PREPARED	: 12/29/21 12:30	12/29/21 13:06	12/29/21 13:42
DATE ANALYZED	: 12/29/21 12:30	12/29/21 13:06	12/29/21 13:42
PREP BATCH	: 21VG39L12	21VG39L12	21VG39L12
CALIBRATION REF:	EL29003A	EL29003A	EL29003A

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	0.499	100	0.500	0.465	93	7	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0434	109	0.0400	0.0400	100	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 : 977239
BATCH NO. : 21L273
METHOD : 5030B/8015B

MATRIX	: WATER		% MOISTURE:NA
DILUTION FACTOR:	1	1	1
SAMPLE ID	: 20211280768	20211280768MS	20211280768MSD
LAB SAMPLE ID	: L273-01	L273-01M	L273-01S
LAB FILE ID	: EL29008A	EL29009A	EL29010A
DATE PREPARED	: 12/29/21 14:18	12/29/21 14:55	12/29/21 15:31
DATE ANALYZED	: 12/29/21 14:18	12/29/21 14:55	12/29/21 15:31
PREP BATCH	: 21VG39L12	21VG39L12	21VG39L12
CALIBRATION REF:	EL29003A	EL29003A	EL29003A

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	0.393	79	0.500	0.402	80	2	50-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0345	86	0.0400	0.0350	88	60-140

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

977239

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 21L273

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 977239

SDG : 21L273

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

A total of six(6) water samples were received on 12/28/21 to be analyzed for Total Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B and project specific requirements.

Holding Time

Samples were analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. DSL026WB - 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 DSL026WL. 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 21L273-01M/21L273-01S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 977239

SDG : 21L273

METHOD 3520C/8015B
PETROLEUM HYDROCARBONS BY EXTRACTION

A total of six(6) water samples were received on 12/28/21 to be analyzed for Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B and project specific requirements.

Holding Time

Samples were analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. DSL026WB - 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 J5L026WL. 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 21L273-03M/21L273-03S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 977239

SDG : 21L273

METHOD 3520C/8015B PETROLEUM HYDROCARBONS BY EXTRACTION

A total of six(6) water samples were received on 12/28/21 to be analyzed for Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B and project specific requirements.

Holding Time

Samples were analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. DSL026WB - 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 J8L026WL. 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 21L273-07M/21L273-07S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

SAMPLE RESULTS

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 09:56
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280768               Date Analyzed: 12/30/21 15:42
Lab Samp ID: 21L273-01                   Dilution Factor: 1
Lab File ID: LL29092A                     Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29086A                     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	0.368	0.500	74	60-130
Hexacosane	0.112	0.125	89	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 : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 09:56
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280768                Date Analyzed: 12/30/21 15:42
Lab Samp ID: 21L273-01                   Dilution Factor: 1
Lab File ID: LL29092A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29087A                    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	0.368	0.500	74	60-130
Hexacosane	0.112	0.125	89	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 : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 10:34
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280770                Date Analyzed: 12/30/21 16:35
Lab Samp ID: 21L273-03                   Dilution Factor: 1
Lab File ID: LL29095A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29086A                    Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP5	ND	0.048	0.024

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.389	0.480	81	60-130
Hexacosane	0.112	0.120	93	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 : 1040ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 10:34
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280770                Date Analyzed: 12/30/21 16:35
Lab Samp ID: 21L273-03                   Dilution Factor: 1
Lab File ID: LL29095A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29087A                    Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.048	0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.389	0.480	81	60-130
Hexacosane	0.112	0.120	93	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 : 1040ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 09:31
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 13:00
Sample ID   : 20211280772                Date Analyzed: 12/30/21 17:29
Lab Samp ID: 21L273-05                    Dilution Factor: 1
Lab File ID: LL29098A                     Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29085A                     Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.024	0.012	
Motor Oil	ND	0.048	0.024	

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.418	0.480	87	60-130
Hexacosane	0.109	0.120	91	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 : 1040ml Final Volume : 5ml
Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 09:31
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 13:00
Sample ID   : 20211280772                Date Analyzed: 12/30/21 17:29
Lab Samp ID: 21L273-05                    Dilution Factor: 1
Lab File ID: LL29098A                     Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29086A                     Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP5	ND	0.048	0.024

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.418	0.480	87	60-130
Hexacosane	0.109	0.120	91	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 : 1040ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 09:31
Project    : 977239                       Date Received: 12/28/21
Batch No.  : 21L273                       Date Extracted: 12/29/21 13:00
Sample ID  : 20211280772                 Date Analyzed: 12/30/21 17:29
Lab Samp ID: 21L273-05                   Dilution Factor: 1
Lab File ID: LL29098A                     Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29087A                     Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP8	ND	0.048	0.024	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.418	0.480	87	60-130
Hexacosane	0.109	0.120	91	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 : 1040ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 09:37
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280774                Date Analyzed: 12/30/21 17:47
Lab Samp ID: 21L273-07                   Dilution Factor: 1
Lab File ID: LL29099A                     Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29086A                     Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.049	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.397	0.490	81	60-130
Hexacosane	0.107	0.123	87	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 : 1020ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 09:37
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 13:00
Sample ID   : 20211280774                Date Analyzed: 12/30/21 17:47
Lab Samp ID: 21L273-07                    Dilution Factor: 1
Lab File ID: LL29099A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29087A                    Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP8	ND	0.049	0.025

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.397	0.490	81	60-130
Hexacosane	0.107	0.123	87	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 : 1020ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 08:27
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280776                Date Analyzed: 12/30/21 18:40
Lab Samp ID: 21L273-09                   Dilution Factor: 1
Lab File ID: LL29102A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29085A                    Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.025	0.013	
Motor Oil	ND	0.051	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.454	0.505	90	60-130
Hexacosane	0.116	0.126	92	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 : 990ml Final Volume : 5ml
Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 08:27
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 13:00
Sample ID   : 20211280776                 Date Analyzed: 12/30/21 18:40
Lab Samp ID: 21L273-09                    Dilution Factor: 1
Lab File ID: LL29102A                     Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29086A                     Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP5	ND	0.051	0.025

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.454	0.505	90	60-130
Hexacosane	0.116	0.126	92	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 : 990ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/26/21 08:27
Project     : 977239                      Date Received: 12/28/21
Batch No.   : 21L273                      Date Extracted: 12/29/21 13:00
Sample ID   : 20211280776                Date Analyzed: 12/30/21 18:40
Lab Samp ID: 21L273-09                    Dilution Factor: 1
Lab File ID: LL29102A                     Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29087A                     Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP8	ND	0.051	0.025

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.454	0.505	90	60-130
Hexacosane	0.116	0.126	92	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 : 990ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 09:28
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280778                Date Analyzed: 12/30/21 18:58
Lab Samp ID: 21L273-11                   Dilution Factor: 1
Lab File ID: LL29103A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29085A                    Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.025	0.012	
Motor Oil	ND	0.049	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.425	0.490	87	60-130
Hexacosane	0.107	0.123	87	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 : 1020ml Final Volume : 5ml
Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 09:28
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280778                Date Analyzed: 12/30/21 18:58
Lab Samp ID : 21L273-11                   Dilution Factor: 1
Lab File ID : LL29103A                    Matrix: WATER
Ext Btch ID: 21DSL026W                    % Moisture: NA
Calib. Ref.: LL29086A                     Instrument ID: D5
=====
    
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
JP5	ND	0.049	0.025	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.425	0.490	87	60-130
Hexacosane	0.107	0.123	87	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 : 1020ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/27/21 09:28
Project     : 977239                     Date Received: 12/28/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : 20211280778               Date Analyzed: 12/30/21 18:58
Lab Samp ID: 21L273-11                   Dilution Factor: 1
Lab File ID: LL29103A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29087A                    Instrument ID: D5
=====
  
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
JP8	ND	0.049	0.025

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.425	0.490	87	60-130
Hexacosane	0.107	0.123	87	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 : 1020ml Final Volume : 5ml
 Prepared by : HWang Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/29/21 13:00
Project     : 977239                     Date Received: 12/29/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : MBLK1W                     Date Analyzed: 12/30/21 14:31
Lab Samp ID : DSL026WB                   Dilution Factor: 1
Lab File ID : LL29088A                   Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29085A                   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	0.392	0.500	78	60-130
Hexacosane	0.114	0.125	91	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 : HWang Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 977239
BATCH NO. : 21L273
METHOD : 3520C/8015B

=====

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSL026WB DSL026WL
LAB FILE ID : LL29088A LL29089A
DATE PREPARED : 12/29/21 13:00 12/29/21 13:00
DATE ANALYZED : 12/30/21 14:31 12/30/21 14:49
PREP BATCH : 21DSL026W 21DSL026W
CALIBRATION REF: LL29085A LL29085A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Diesel	ND	2.50	2.28	91	50-130

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.460	92	60-130
Hexacosane	0.125	0.113	90	60-130

MB: Method Blank sample LCS: Lab Control Sample

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/29/21 13:00
Project     : 977239                     Date Received: 12/29/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : MBLK1W                     Date Analyzed: 12/30/21 14:31
Lab Samp ID: DSL026WB                    Dilution Factor: 1
Lab File ID: LL29088A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29086A                    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	0.392	0.500	78	60-130
Hexacosane	0.114	0.125	91	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 : HWang Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 977239
BATCH NO. : 21L273
METHOD : 3520C/8015B

=====

MATRIX	: WATER	% MOISTURE:NA
DILUTION FACTOR:	1	1
SAMPLE ID	: MBLK1W	LCS1W
LAB SAMPLE ID	: DSL026WB	J5L026WL
LAB FILE ID	: LL29088A	LL29090A
DATE PREPARED	: 12/29/21 13:00	12/29/21 13:00
DATE ANALYZED	: 12/30/21 14:31	12/30/21 15:06
PREP BATCH	: 21DSL026W	21DSL026W
CALIBRATION REF:	LL29086A	LL29086A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
-----	-----	-----	-----	-----	-----
JP5	ND	2.50	2.41	96	30-160

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
-----	-----	-----	-----	-----
Bromobenzene	0.500	0.463	93	60-130
Hexacosane	0.125	0.115	92	60-130

=====

MB: Method Blank sample LCS: Lab Control Sample

METHOD 3520C/8015B
 PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 12/29/21 13:00
Project     : 977239                     Date Received: 12/29/21
Batch No.   : 21L273                     Date Extracted: 12/29/21 13:00
Sample ID   : MBLK1W                     Date Analyzed: 12/30/21 14:31
Lab Samp ID: DSL026WB                    Dilution Factor: 1
Lab File ID: LL29088A                    Matrix: WATER
Ext Btch ID: 21DSL026W                   % Moisture: NA
Calib. Ref.: LL29087A                    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	0.392	0.500	78	60-130
Hexacosane	0.114	0.125	91	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 : HWang Analyzed by : SDeeso

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 977239
BATCH NO. : 21L273
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSL026WB J8L026WL
LAB FILE ID : LL29088A LL29091A
DATE PREPARED : 12/29/21 13:00 12/29/21 13:00
DATE ANALYZED : 12/30/21 14:31 12/30/21 15:24
PREP BATCH : 21DSL026W 21DSL026W
CALIBRATION REF: LL29087A LL29087A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
JP8	ND	2.50	2.25	90	30-160

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.474	95	60-130
Hexacosane	0.125	0.110	88	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 977239
BATCH NO. : 21L273
METHOD : 3520C/8015B

```

=====
MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1 1
SAMPLE ID : 20211280768 20211280768MS 20211280768MSD
LAB SAMPLE ID : 21L273-01 21L273-01M 21L273-01S
LAB FILE ID : LL29092A LL29093A LL29094A
DATE PREPARED : 12/29/21 13:00 12/29/21 13:00 12/29/21 13:00
DATE ANALYZED : 12/30/21 15:42 12/30/21 16:00 12/30/21 16:18
PREP BATCH : 21DSL026W 21DSL026W 21DSL026W
CALIBRATION REF: LL29085A LL29085A LL29085A
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
Diesel	ND	2.42	2.16	89	2.40	2.32	97	7	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.485	0.423	87	0.480	0.438	91	60-130
Hexacosane	0.121	0.109	90	0.120	0.113	94	60-130

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

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 977239
BATCH NO. : 21L273
METHOD : 3520C/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : 20211280770                       20211280770MS  20211280770MSD
LAB SAMPLE ID : 21L273-03                       21L273-03M    21L273-03S
LAB FILE ID  : LL29095A                         LL29096A     LL29097A
DATE PREPARED : 12/29/21 13:00                 12/29/21 13:00 12/29/21 13:00
DATE ANALYZED : 12/30/21 16:35                 12/30/21 16:53 12/30/21 17:11
PREP BATCH   : 21DSL026W                       21DSL026W    21DSL026W
CALIBRATION REF: LL29086A                       LL29086A     LL29086A
  
```

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP5	ND	2.42	2.04	84	2.42	2.53	104	21	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.485	0.449	93	0.485	0.513	106	60-130
Hexacosane	0.121	0.108	89	0.121	0.116	96	60-130

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

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 977239
BATCH NO. : 21L273
METHOD : 3520C/8015B

MATRIX	: WATER		% MOISTURE:NA
DILUTION FACTOR:	1	1	1
SAMPLE ID	: 20211280774	20211280774MS	20211280774MSD
LAB SAMPLE ID	: 21L273-07	21L273-07M	21L273-07S
LAB FILE ID	: LL29099A	LL29100A	LL29101A
DATE PREPARED	: 12/29/21 13:00	12/29/21 13:00	12/29/21 13:00
DATE ANALYZED	: 12/30/21 17:47	12/30/21 18:04	12/30/21 18:22
PREP BATCH	: 21DSL026W	21DSL026W	21DSL026W
CALIBRATION REF:	LL29087A	LL29087A	LL29087A

ACCESSION:

PARAMETERS	PSResult (mg/L)	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	RPD (%)	QCLimit (%)	MaxRPD (%)
JP8	ND	2.42	2.10	87	2.45	2.19	89	4	30-160	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.485	0.480	99	0.490	0.467	95	60-130
Hexacosane	0.121	0.112	92	0.123	0.111	91	60-130

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