

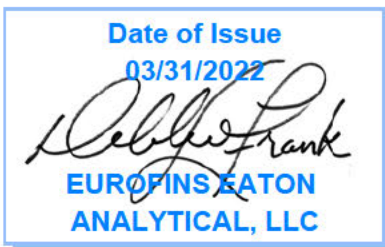
750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

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

**Report for 91-1203 Kuanoo St. Redactions applied
to maintain privacy and customer confidentiality**



Utah ELCP CA00006

DEB: Debbie L Frank
Project Manager

Report: 992467
Project: SPECIAL
Group: TPH RESIDENTIAL TESTING

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

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

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

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

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

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

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

STATE CERTIFICATION LIST

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

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2017 Accredited Method List

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

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

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

Test(s)	Method(s)	Potable Water *	Waste Water	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 Disinfect ion Byproducts	EPA 317.0	x	
Acrylamide	+ LCMS 2440)	x		Perchlorate	EPA 331.0	x	
Algal Toxins/Microcys in	+ 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 #: 992467
 Project: SPECIAL
 Sample Group: TPH RESIDENTIAL TESTING

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

The following samples were received from you on **March 11, 2022** at 1045. 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>202203110578</u>	████████ Kuanoo St	03/10/2022 1016
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
<u>202203110579</u>	████████ Kaileolea Dr	03/10/2022 1039
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
<u>202203110580</u>	Travel Blank	03/10/2022 1016
	(SUB)Gas Fraction Hydrocarbons	

Test Description



CHAIN OF CUSTODY RECORD

Eaton Analytical

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

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: _____
 SAMPLES CHECKED AGAINST COC BY: GS
 SAMPLES LOGGED IN BY: _____
 SAMPLES REC'D DAY OF COLLECTION? (check for yes)

SAMPLE TEMP RECEIVED AT:
 Colton / No. California / Arizona _____ °C (Compliance: 4 ± 2 °C)
 Monrovia _____ °C (Compliance: 4 ± 2 °C)

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

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

447467

TO BE COMPLETED BY SAMPLER:			(check for yes)			(check for yes)			
COMPANY/AGENCY NAME:	PROJECT CODE:			COMPLIANCE SAMPLES	NON-COMPLIANCE SAMPLES	REGULATION INVOLVED:			
BWS HONOLULU	SPECIAL			- Requires state forms <input type="checkbox"/>	<input checked="" type="checkbox"/>	Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA...)			
EEA CLIENT CODE:	COC ID:	SAMPLE GROUP:	STD	SEE ATTACHED BOTTLE ORDER FOR ANALYSES			list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)		
			1 wk ___ 3 day ___ 2 day ___ 1 day ___						
SAMPLE DATE	SAMPLE TIME	SAMPLE ID	MATRIX	CLIENT LAB ID	FIELD DATA	FIELD DATA	SAMPLER COMMENTS		
03/10/22	1016	■ Kuanoo St	CFW		Red Hill SPECIAL	X			
03/10/22	1039	■ Kaileolea Dr	CFW			X			

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

SIGNATURE: _____ PRINT NAME: Lew Bailey COMPANY/TITLE: Honolulu Board of Water Supply DATE: March 10, 2022
 RECEIVED BY: _____ RECEIVED BY: Lew Bailey COMPANY/TITLE: Honolulu Board of Water Supply DATE: 10 March 2022
 RECEIVED BY: _____ RECEIVED BY: Gustavo Sanchez COMPANY/TITLE: GEA DATE: 3-10-22
 RECEIVED BY: _____ RECEIVED BY: _____ COMPANY/TITLE: _____ DATE: 3-11-22

Temp Blank: _____ °C



Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 60762

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 = 618A (Observation = 6.3 °C) (Corr. Factor 0.1) (Final = 6.2 °C)

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

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

Compliance Acceptance Criteria:

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

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

1 = (Observation = <u>9.5</u> °C) (Corr. Factor = <u>0.1</u>) (Final = <u>9.4</u> °C)	2 = (Observation = <u>7.8</u> °C) (Corr. Factor = <u>-0.1</u>) (Final = <u>7.7</u> °C)
3 = (Observation = <u>8.2</u> °C) (Corr. Factor = <u>-0.1</u>) (Final = <u>8.1</u> °C)	4 = (Observation = <u>6.3</u> °C) (Corr. Factor = <u>-0.1</u>) (Final = <u>6.2</u> °C)

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

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

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

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

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

Exempt from headspace concerns: Methods 515.4, HAA(6251,52), 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
	Gustavo Sanchez	Eurofins Eaton Analytical	3-11-22	1045
SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
		Eurofins Eaton Analytical		

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

SHIP DATE: 10MAR22
ACTWGT: 27.00 LB
CAD: 100205419/NET/4460

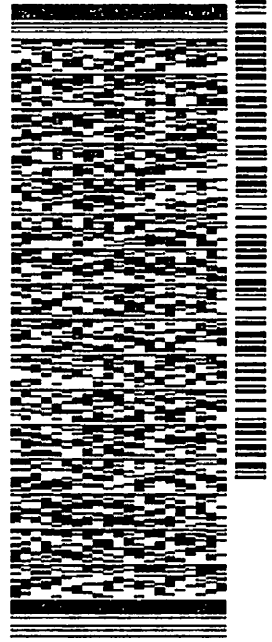
BILL RECIPIENT

TO C CHUCK

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

PO

DEPT



J221022010501uv

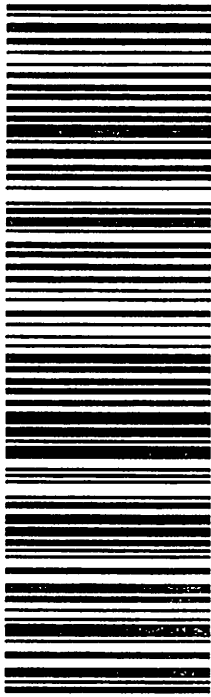
56DJ5/EB02/FE4A

TRK# 7762 6748 3327
0201

FRI - 11 MAR 10:30A
PRIORITY OVERNIGHT

WZ WHPA

CA-US BUR 91016



After printing this label:

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

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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

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

Laboratory Comments

Report: 992467
Project: SPECIAL
Group: TPH RESIDENTIAL TESTING

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

Folder Comments

Results for TPH 8015 Gas and Diesel and Motor Oil are submitted by Emax Laboratories

COC note

Testing reported is per project specifications: Diesel, Motor Oil, Gasoline. deb031522



Eaton Analytical

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

Laboratory Hits

Report: 992467
Project: SPECIAL
Group: TPH RESIDENTIAL TESTING

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

Samples Received on:
03/11/2022 1045

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
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SUMMARY OF POSITIVE DATA ONLY

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

Report: 992467
 Project: SPECIAL
 Group: TPH RESIDENTIAL TESTING

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

Samples Received on:
 03/11/2022 1045

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>91-1203 Kuanoo St (202203110578)</u>						Sampled on 03/10/2022 1016			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
03/14/22	03/14/22	18:25		(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
03/14/22	03/15/22	20:12		(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
03/14/22	03/15/22	20:12		(SW 8015B)	TPH Motor Oil	ND	mg/L	0.051	1
<u>██████ Kaileolea Dr (202203110579)</u>						Sampled on 03/10/2022 1039			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
03/14/22	03/14/22	17:51		(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
03/14/22	03/15/22	20:30		(SW 8015B)	TPH Diesel	ND	mg/L	0.024	1
03/14/22	03/15/22	20:30		(SW 8015B)	TPH Motor Oil	ND	mg/L	0.048	1
<u>Travel Blank (202203110580)</u>						Sampled on 03/10/2022 1016			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
03/14/22	03/14/22	17:16		(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: 03-24-2022
EMAX Batch No.: 22C153

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 992467


Enclosed is the Laboratory report for samples received on 03/14/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
202203110578	C153-01	03/10/22	WATER	TPH GASOLINE TPH DIESEL & MOTOR OIL
202203110579	C153-02	03/10/22	WATER	TPH GASOLINE TPH DIESEL & MOTOR OIL
202203110580	C153-03	03/10/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

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

Sincerely yours,


Caspar J. Pang
Laboratory Director

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

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

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



Eaton Analytical

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

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

Folder #: **992467**
Report Due: **03/16/2022**

Sample ID: **202203110578** **(1)** Client Sample ID for reference on!
91-1203 Kuanoo St

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

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

Sample ID: **202203110579** **(2)** Client Sample ID for reference on!
Kaileolea Dr

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

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

Relinquished by: *[Signature]*

Received by: *[Signature]* Date: **03/14/22** Time: **9:46 AM**

Relinquished by: *[Signature]*

Received by: *[Signature]* Date: **03/14/22** Time: **11:30**

Sample Control: *[Signature]* Date: **03/14/22** Time: **10:28**

Date: **03/14/22** Time: **10:28**

Date: **03/14/22** Time: **11:30**

Date: **03/14/22** Time: **11:30**

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Temp. **3-8/3.3**

22 C 153

Submittal Form

Date: 3/14/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers! Report & Invoice must have the Folder# 992467 Job # 1000014

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

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

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

2-3 day rush

Sample ID: 202203110580 (3) Client Sample ID for reference onl: 22C153 Sample Date & Time: 03/10/22 10:16 DW Matrix: Clip Code: PWSID: JLS
 Sample type: Travel Blank Facility ID: Sample Point ID: Static ID:

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

Relinquished by: [Signature] Sample Control: G. PENDER Date: 03/14/22 Time: 10:28
 Received by: [Signature] Date: 03/14/22 Time: 10:28
 Relinquished by: Jackie Sample Control: _____ Date: 03/14/22 Time: 11:30
 Received by: [Signature] Date: 3/14/22 Time: 11:30

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

Type of Delivery	Airbill / Tracking Number	ECN 22C153
<input type="checkbox"/> Fedex <input type="checkbox"/> UPS <input type="checkbox"/> GSO <input type="checkbox"/> Others		Recipient Maria Rivera
<input type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery		Date 03/14/22 Time 11:30

COC INSPECTION

<input checked="" type="checkbox"/> Client Name	<input checked="" type="checkbox"/> Client PM/FC	<input type="checkbox"/> Sampler Name	<input checked="" type="checkbox"/> Sampling Date/Time	<input checked="" type="checkbox"/> Sample ID	<input checked="" type="checkbox"/> Matrix
<input checked="" type="checkbox"/> Address	<input checked="" type="checkbox"/> Tel # / Fax #	<input type="checkbox"/> Courier Signature	<input checked="" type="checkbox"/> Analysis Required	<input type="checkbox"/> Preservative (if any)	<input checked="" type="checkbox"/> TAT
Safety Issues (if any)	<input type="checkbox"/> High concentrations expected	<input type="checkbox"/> From Superfund Site	<input type="checkbox"/> Rad screening required		

Note: _____

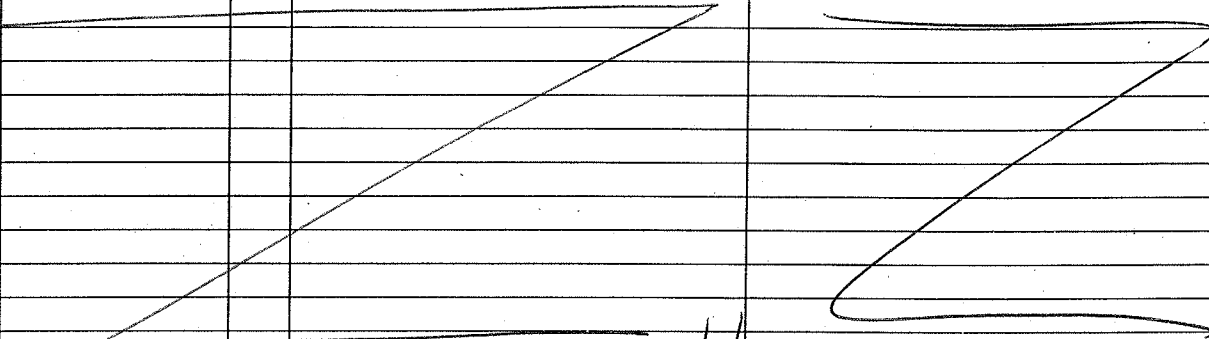
PACKAGING INSPECTION

Container <input checked="" type="checkbox"/> Cooler	<input type="checkbox"/> Box	<input type="checkbox"/> Other
Condition * correction	<input type="checkbox"/> Intact	<input type="checkbox"/> Damaged
Packaging factor: -0.5	<input checked="" type="checkbox"/> Bubble Pack	<input type="checkbox"/> Styrofoam
Temperatures (Cool, ≤6 °C but not frozen)	<input checked="" type="checkbox"/> Cooler 1 38/33 °C	<input type="checkbox"/> Cooler 2 _____ °C
Thermometer: A - S/N _____ B - S/N _____	<input type="checkbox"/> Cooler 6 _____ °C	<input type="checkbox"/> Cooler 7 _____ °C
	<input type="checkbox"/> Cooler 8 _____ °C	<input type="checkbox"/> Cooler 9 _____ °C
	<input type="checkbox"/> Cooler 10 _____ °C	<input type="checkbox"/> Cooler 10 _____ °C

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

Note: _____

DISCREPANCIES

LabSampleID	LabSampleContainerID	Code	ClientSample Label ID / Information	Corrective Action
1,2	4,5, 9,10	D22		AS
				

23/14/22 AS 3/16/22

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

NOTES/OBSERVATIONS:

SAMPLE MATRIX IS DRINKING WATER? YES NO

- LEGEND:**
- | | | |
|---|--|---|
| <p>Code Description- Sample Management</p> <ul style="list-style-type: none"> D1 Analysis is not indicated in _____ D2 Analysis mismatch COC vs label D3 Sample ID mismatch COC vs label D4 Sample ID is not indicated in _____ D5 Container -[improper] [leaking] [broken] D6 Date/Time is not indicated in _____ D7 Date/Time mismatch COC vs label D8 Sample listed in COC is not received D9 Sample received is not listed in COC D10 No initial/date on corrections in COC/label D11 Container count mismatch COC vs received D12 Container size mismatch COC vs received | <p>Code Description-Sample Management</p> <ul style="list-style-type: none"> D13 Out of Holding Time D14 Bubble is >6mm D15 No trip blank in cooler D16 Preservation not indicated in _____ D17 Preservation mismatch COC vs label D18 Insufficient chemical preservative D19 Insufficient Sample D20 No filtration info for dissolved analysis D21 No sample for moisture determination D22 Jet Fuel & Analysis not indicated on label D23 _____ D24 _____ | <p><input type="checkbox"/> Continue to next page.</p> <p>Code Description-Sample Management</p> <ul style="list-style-type: none"> R1 Proceed as indicated in <input type="checkbox"/> COC <input type="checkbox"/> Label R2 Refer to attached instruction R3 Cancel the analysis R4 Use vial with smallest bubble first R5 Log-in with latest sampling date and time+1 min R6 Adjust pH as necessary R7 Filter and preserved as necessary R8 Informed Client R9 _____ R10 _____ R11 _____ R12 _____ |
|---|--|---|

REVIEWS:

Sample Labeling Maria Rivera	SRF Reyes	PM AS
Date 03/14/22	Date 3/14/22	Date 3/16/22

REPORTING CONVENTIONS

DATA QUALIFIERS:

Lab Qualifier	AFCEE Qualifier	Description
J	F	Indicates that the analyte is positively identified and the result is less than LOQ/RL but greater than LOD/MDL/DL.
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
MDL	Method Detection Limit
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
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

992467

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

SDG#: 22C153

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 992467

SDG : 22C153

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

A total of three(3) water samples were received on 03/14/22 to be analyzed for Total Petroleum Hydrocarbons by Purge and Trap in accordance with Method 5030B/8015B and project specific requirements.

Holding Time

Samples were analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. VGH7C05B - 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. VGH7C05L/VGH7C05C 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 C153-01M/C153-01S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

SDG NO. : 22C153
Instrument ID : H7

Client : EUROFINS EATON ANALYTICAL
Project : 992467

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis Date/Time	Date/Time					
MBLK1W	VGH7C05B	1	NA	03/14/2214:40	03/14/2214:40	AC14005A	AC14003A	22VGH7C05	Method Blank	
LCS1W	VGH7C05L	1	NA	03/14/2215:49	03/14/2215:49	AC14007A	AC14003A	22VGH7C05	Lab Control Sample (LCS)	
LCD1W	VGH7C05C	1	NA	03/14/2216:42	03/14/2216:42	AC14008A	AC14003A	22VGH7C05	LCS Duplicate	
202203110580	C153-03	1	NA	03/14/2217:16	03/14/2217:16	AC14009A	AC14003A	22VGH7C05	Field Sample	
202203110579	C153-02	1	NA	03/14/2217:51	03/14/2217:51	AC14010A	AC14003A	22VGH7C05	Field Sample	
202203110578	C153-01	1	NA	03/14/2218:25	03/14/2218:25	AC14011A	AC14003A	22VGH7C05	Field Sample	
202203110578WS	C153-01M	1	NA	03/14/2219:00	03/14/2219:00	AC14012A	AC14003A	22VGH7C05	Matrix Spike Sample (MS)	
202203110578MSD	C153-01S	1	NA	03/14/2219:34	03/14/2219:34	AC14013A	AC14003A	22VGH7C05	MS Duplicate (MSD)	

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/10/22 10:16
Project     : 992467                     Date Received: 03/14/22
Batch No.   : 22C153                     Date Extracted: 03/14/22 18:25
Sample ID   : 202203110578              Date Analyzed: 03/14/22 18:25
Lab Samp ID: C153-01                     Dilution Factor: 1
Lab File ID: AC14011A                    Matrix: WATER
Ext Btch ID: 22VGH7C05                   % Moisture: NA
Calib. Ref.: AC14003A                    Instrument ID: H7
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
GASOLINE	ND	0.020	0.010

SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0323	0.0400	81	60-140

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

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

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

=====
Client : EUROFINS EATON ANALYTICAL Date Collected: 03/10/22 10:39
Project : 992467 Date Received: 03/14/22
Batch No. : 22C153 Date Extracted: 03/14/22 17:51
Sample ID : 202203110579 Date Analyzed: 03/14/22 17:51
Lab Samp ID: C153-02 Dilution Factor: 1
Lab File ID: AC14010A Matrix: WATER
Ext Btch ID: 22VGH7C05 % Moisture: NA
Calib. Ref.: AC14003A Instrument ID: H7
=====

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0347	0.0400	87	60-140

Notes:

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

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

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/10/22 10:16
Project     : 992467                     Date Received: 03/14/22
Batch No.   : 22C153                     Date Extracted: 03/14/22 17:16
Sample ID   : 202203110580              Date Analyzed: 03/14/22 17:16
Lab Samp ID : C153-03                    Dilution Factor: 1
Lab File ID : AC14009A                   Matrix: WATER
Ext Btch ID : 22VGH7C05                  % Moisture: NA
Calib. Ref.: AC14003A                    Instrument ID: H7
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0341	0.0400	85	60-140

Notes:

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

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

QC SUMMARIES

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/14/22 14:40
Project    : 992467                       Date Received: 03/14/22
Batch No.  : 22C153                       Date Extracted: 03/14/22 14:40
Sample ID  : MBLK1W                       Date Analyzed: 03/14/22 14:40
Lab Samp ID: VGH7C05B                   Dilution Factor: 1
Lab File ID: AC14005A                   Matrix: WATER
Ext Btch ID: 22VGH7C05                 % Moisture: NA
Calib. Ref.: AC14003A                   Instrument ID: H7
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
GASOLINE	ND	0.020	0.010	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromofluorobenzene	0.0341	0.0400	85	60-140

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

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

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 992467
BATCH NO. : 22C153
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W         LCD1W
LAB SAMPLE ID : VGH7C05B                         VGH7C05L     VGH7C05C
LAB FILE ID  : AC14005A                         AC14007A     AC14008A
DATE PREPARED : 03/14/22 14:40                 03/14/22 15:49 03/14/22 16:42
DATE ANALYZED : 03/14/22 14:40                 03/14/22 15:49 03/14/22 16:42
PREP BATCH   : 22VGH7C05                       22VGH7C05    22VGH7C05
CALIBRATION REF: AC14003A                       AC14003A     AC14003A
=====
  
```

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	0.395	79	0.500	0.428	86	8	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0405	101	0.0400	0.0452	113	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 : 992467
BATCH NO. : 22C153
METHOD : 5030B/8015B

MATRIX : WATER		% MOISTURE:NA
DILUTION FACTOR: 1	1	1
SAMPLE ID : 202203110578	202203110578MS	202203110578MSD
LAB SAMPLE ID : C153-01	C153-01M	C153-01S
LAB FILE ID : AC14011A	AC14012A	AC14013A
DATE PREPARED : 03/14/22 18:25	03/14/22 19:00	03/14/22 19:34
DATE ANALYZED : 03/14/22 18:25	03/14/22 19:00	03/14/22 19:34
PREP BATCH : 22VGH7C05	22VGH7C05	22VGH7C05
CALIBRATION REF: AC14003A	AC14003A	AC14003A

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	0.400	80	0.500	0.415	83	4	50-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0433	108	0.0400	0.0461	115	60-140

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

992467

METHOD 3520C/8015B
PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22C153

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 992467

SDG : 22C153

METHOD 3520C/8015B TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 03/14/22 to be analyzed for Total Petroleum Hydrocarbons by Extraction in accordance with Method 3520C/8015B and project specific requirements.

Holding Time

Samples were analyzed within the prescribed holding time.

Calibration

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

Method Blank

Method blank was prepared and analyzed at the frequency required by the project. For this SDG, one(1) method blank was analyzed. DSC018WB - 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 DSC018WL. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG. One(1) set of MS/MSD was analyzed. Diesel was within MS QC limits in 22C121-01M/22C121-01S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL
Project     : 992467
SDG NO.    : 22C153
Instrument ID : D5
=====

```

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction Date/Time	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis Date/Time	Extraction Date/Time					
MBLK1W	DSC018WB	1	NA	03/15/2214:42	03/14/2212:30	LC15009A	LC15003A	22DSC018W	Method Blank	
LCS1W	DSC018WL	1	NA	03/15/2215:00	03/14/2212:30	LC15010A	LC15003A	22DSC018W	Lab Control Sample (LCS)	
202203110578	C153-01	1	NA	03/15/2220:12	03/14/2212:30	LC15027A	LC15003A	22DSC018W	Field Sample	
202203110579	C153-02	1	NA	03/15/2220:30	03/14/2212:30	LC15028A	LC15003A	22DSC018W	Field Sample	

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/10/22 10:16
Project     : 992467                     Date Received: 03/14/22
Batch No.   : 22C153                     Date Extracted: 03/14/22 12:30
Sample ID   : 202203110578               Date Analyzed: 03/15/22 20:12
Lab Samp ID: 22C153-01                   Dilution Factor: 1
Lab File ID: LC15027A                     Matrix: WATER
Ext Btch ID: 22DSC018W                   % Moisture: NA
Calib. Ref.: LC15003A                     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	0.430	0.510	84	60-130
Hexacosane	0.150	0.127	118	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 : 980ml Final Volume : 5ml
Prepared by : JMuert Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/10/22 10:39
Project     : 992467                     Date Received: 03/14/22
Batch No.   : 22C153                     Date Extracted: 03/14/22 12:30
Sample ID   : 202203110579              Date Analyzed: 03/15/22 20:30
Lab Samp ID: 22C153-02                   Dilution Factor: 1
Lab File ID: LC15028A                    Matrix: WATER
Ext Btch ID: 22DSC018W                   % Moisture: NA
Calib. Ref.: LC15003A                    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	0.394	0.475	83	60-130
Hexacosane	0.137	0.119	116	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 : 1050ml Final Volume : 5ml
Prepared by : JMuert Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 03/14/22 12:30
Project    : 992467                       Date Received: 03/14/22
Batch No.  : 22C153                       Date Extracted: 03/14/22 12:30
Sample ID  : MBLK1W                       Date Analyzed: 03/15/22 14:42
Lab Samp ID: DSC018WB                    Dilution Factor: 1
Lab File ID: LC15009A                    Matrix: WATER
Ext Btch ID: 22DSC018W                   % Moisture: NA
Calib. Ref.: LC15003A                    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	0.411	0.500	82	60-130
Hexacosane	0.144	0.125	115	60-130

Notes:

Parameter H-C Range
Diesel C10-C24
Motor Oil C24-C36

Reported ND at RL quantitated per pattern recognition.

Detection limits are reported relative to sample result significant figures.

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

EMAX QUALITY CONTROL DATA
LAB CONTROL SAMPLE ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 992467
BATCH NO. : 22C153
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSC018WB DSC018WL
LAB FILE ID : LC15009A LC15010A
DATE PREPARED : 03/14/22 12:30 03/14/22 12:30
DATE ANALYZED : 03/15/22 14:42 03/15/22 15:00
PREP BATCH : 22DSC018W 22DSC018W
CALIBRATION REF: LC15003A LC15003A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Diesel	ND	2.50	2.53	101	50-130

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.401	80	60-130
Hexacosane	0.125	0.137	110	60-130

MB: Method Blank sample LCS: Lab Control Sample

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT : EUROFINS EATON ANALYTICAL
PROJECT : 991851
BATCH NO. : 22C121
METHOD : 3520C/8015B

```

=====
MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1 1
SAMPLE ID : 202203090784 202203090784MSD 202203090784MSD
LAB SAMPLE ID : 22C121-01 22C121-01M 22C121-01S
LAB FILE ID : LC15015A LC15016A LC15017A
DATE PREPARED : 03/14/22 12:30 03/14/22 12:30 03/14/22 12:30
DATE ANALYZED : 03/15/22 16:32 03/15/22 16:50 03/15/22 17:08
PREP BATCH : 22DSC018W 22DSC018W 22DSC018W
CALIBRATION REF: LC15003A LC15003A LC15003A
  
```

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	2.42	100	2.40	2.46	103	2	50-130	30

SURROGATE PARAMETERS	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromobenzene	0.485	0.292	60	0.480	0.326	68	60-130
Hexacosane	0.121	0.142	117	0.120	0.113	94	60-130

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