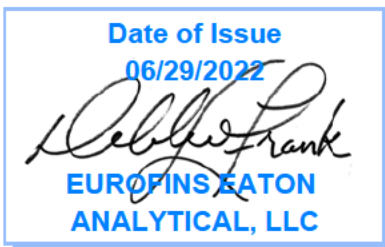


750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

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: 1000614
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022) - EMAX

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

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

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

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

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

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

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

STATE CERTIFICATION LIST

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

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2017 Accredited Method List

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

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

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

Test(s)	Method(s)	Potable Water *	Waste Water	Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x	Gross Alpha coprecipitation	SM 7110 C	x	x
<i>Escherichia coli</i> (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
<i>Pseudomonas aeruginosa</i>	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 #: 1000614
 Project: RED-HILL
 Sample Group: Weekly TPH-8015_RED-HILL (2022)
 - EMAX
 Project Manager: Debbie L Frank
 Phone: (626) 386-1149
 PO #: C20525101 exp 05312023

The following samples were received from you on **April 21, 2022 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>202204210319</u>	AIEA GULCH WELLS P1 (331-201-TP071)	04/19/2022 1048
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
<u>202204210320</u>	TB:AIEA GULCH WELLS P1 (331-201-TP071)	04/19/2022 1048
	(SUB)Gas Fraction Hydrocarbons	
<u>202204210321</u>	AIEA GULCH WELLS P2 (331-202-TP072)	04/19/2022 1026
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
<u>202204210322</u>	TB:AIEA GULCH WELLS P2 (331-202-TP072)	04/19/2022 1026
	(SUB)Gas Fraction Hydrocarbons	

Test Description



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)

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

LOGIN COMMENTS: _____

SAMPLES CHECKED AGAINST COC BY: 1006/4

SAMPLES LOGGED IN BY: [Signature]

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 _____

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

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

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: BWS HONOLULU

PROJECT CODE: RED HILL

SAMPLE GROUP: Weekly TPH-8015_RED-HILL (2022)

(check for yes)

COMPLIANCE SAMPLES NON-COMPLIANCE SAMPLES

- Requires state forms _____ REGULATION INVOLVED: _____

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

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

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

SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX	FIELD DATA	FIELD DATA	TAT requested: rush by adv notice only										Temp Blank: _____ °C	SAMPLER COMMENTS									
							1 wk	X	3 day	2 day	1 day																
04/19/22	1048	Aiea Gulch Wells Pump 1	HI0000331-201	CFW			Red Hill weekly	X																			
04/19/22	1026	Aiea Gulch Wells Pump 2	HI0000331-202	CFW				X																			

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

SAMPLED BY:	PRINT NAME	COMPANY/TITLE	DATE	TIME
[Redacted]	L. Bailey	Honolulu Board of Water Supply	April 19, 2022	
RELINQUISHED BY:	L. Bailey	Honolulu Board of Water Supply	20Apr192022	1200
RECEIVED BY: <u>Andrew Wilson</u>	<u>Andrew Wilson</u>		4.21.22	1302
RELINQUISHED BY:				
RECEIVED BY:				

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

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

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
(626) 388-1100 FAX (866) 988-3757

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

Note: Sampler Please return this paper with your samples

Kit #: 309377
Created By: - [AutoGenerated]
Deliver By: 02/02/2022
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: AIEA WELLS PUMPS 1&2 (260) - 1

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

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

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

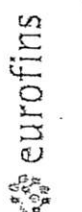
# of	Sample Tests	Bottle Qty - Type [preservative Information]	Total	UN DOT #
1	TPH 8015 Diesel and Motor Oil_C, TPH 8015 Jet Fuel_5_C, TPH 8015 Jet Fuel_8_C	6 - 1L amber glass [1 ml Thio 8%]	6	
1	8015 Gas_C	3 - 40ml amber glass vial [1 drop Thio (8%)	3	
1	@504MOD TB C, 8015 Gas_C TB	2 - 40ml amber glass vial [1 drop Thio (8%) + H2O]	2	
	Sum Tests: 3			Sum Bottles: 11

Comments
AIEA-WELLS-PUMPS-1&2-(260)-(884-283-TP468)

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 Containr Labels)

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



INTERNAL CHAIN OF CUSTODY RECORD

Eaton Analytical

EEA Folder Number: 40614

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 = 631a (Observation = 5.4 °C) (Corr.Factor = 0.0 °C) (Final = 5.2 °C)

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

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

Compliance Acceptance Criteria: # 776020347830

- 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, SPME,@CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 microliters, 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: [Signature] SIGNATURE: [Signature] PRINT NAME: Eurofins Eaton Analytical COMPANY/TITLE: Eurofins Eaton Analytical DATE: 4.21.22 TIME: 1302

SAMPLES CHECKED AGAINST COC BY: [Signature] SIGNATURE: [Signature] PRINT NAME: Eurofins Eaton Analytical COMPANY/TITLE: Eurofins Eaton Analytical DATE: _____ TIME: _____

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

Laboratory Comments

Report: 1000614
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022)
- EMAX

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

Folder Comments

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



Eaton Analytical

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

Laboratory Hits

Report: 1000614
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022)
- EMAX

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

Samples Received on:
04/21/2022 1302

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

SUMMARY OF POSITIVE DATA ONLY

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

Laboratory Data

Report: 1000614
Project: RED-HILL
Group: Weekly TPH-8015_RED-HILL (2022)
 - EMAX

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

Samples Received on:
 04/21/2022 1302

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>AIEA GULCH WELLS P1 (331-201-TP071) (202204210319)</u>						Sampled on 04/19/2022 1048			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/22/22	04/22/22 21:26			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
04/25/22	04/27/22 17:02			(SW 8015B)	TPH Diesel	ND	mg/L	0.026	1
04/25/22	04/27/22 17:02			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.052	1
<u>TB:AIEA GULCH WELLS P1 (331-201-TP071) (202204210320)</u>						Sampled on 04/19/2022 1048			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/22/22	04/22/22 22:03			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
<u>AIEA GULCH WELLS P2 (331-202-TP072) (202204210321)</u>						Sampled on 04/19/2022 1026			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/22/22	04/22/22 22:40			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.02	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
04/25/22	04/27/22 17:21			(SW 8015B)	TPH Diesel	ND	mg/L	0.025	1
04/25/22	04/27/22 17:21			(SW 8015B)	TPH Motor Oil	ND	mg/L	0.051	1
<u>TB:AIEA GULCH WELLS P2 (331-202-TP072) (202204210322)</u>						Sampled on 04/19/2022 1026			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
04/22/22	04/22/22 23:16			(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: 05-05-2022
EMAX Batch No.: 22D221

Attn: Jackie Contreras

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

Subject: Laboratory Report
Project: 1000614

Enclosed is the Laboratory report for samples received on 04/22/22.
The data reported relate only to samples listed below :

Sample ID	Control #	Col Date	Matrix	Analysis
202204210319	D221-01	04/19/22	WATER	TPH GASOLINE TPH DIESEL & MOTOR OIL
202204210320	D221-02	04/19/22	WATER	TPH GASOLINE
202204210321	D221-03	04/19/22	WATER	TPH GASOLINE TPH DIESEL & MOTOR OIL
202204210322	D221-04	04/19/22	WATER	TPH GASOLINE

The results are summarized on the following pages.

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

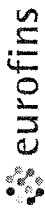
Sincerely yours,

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 #: 1000614 Report Due: 04/28/2022

Submittal Form 22D221

Date: 4/22/2022

*REPORTING REQUIREMENTS: Do Not Combine Reports with any other samples submitted under different Folder Numbers! Report & Invoice must have the Folder# 1000614 Job # 1000014

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

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

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

Sample ID 202204210319 Client Sample ID for reference on! AIEA GULCH WELLS P1 (331-201-TP071) Sample Date & Time Matrix 04/19/22 1048 DW Clip Code PWSID LXG

Sample type: Sample Event: Analysis Requested (SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil Facility ID: Sample Point ID: Static ID:

Method SW 8015B EPA 5030C EPA 3550B

Sample ID 202204210320 Client Sample ID for reference on! TB:AIEA GULCH WELLS P1 (331-201-TP071) Sample Date & Time Matrix 04/19/22 1048 DW Clip Code PWSID LXG

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

Method SW 8015B EPA 5030C EPA 3550B

Sample ID 202204210321 Client Sample ID for reference on! AIEA GULCH WELLS P2 (331-202-TP072) Sample Date & Time Matrix 04/19/22 1026 DW Clip Code PWSID LXG

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

Method SW 8015B EPA 5030C EPA 3550B

Relinquished by: Sample Control Date 4/22/22 Time 11:47

Received by: Sample Control Date 4/22/22 Time 11:47

Relinquished by: Sample Control Date 4/22/22 Time 11:47

Received by: Sample Control Date 4/22/22 Time 11:47

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Temp. 3.1 / 3.3

4.1 / 4.3

Sample ID 202204210322 **Client Sample ID for reference onl** 22D221 **Sample Date & Time Matrix** 04/19/22 1026 DW **Clip Code** **PWSID** LXG
 TB:AIEA GULCH WELLS P2 (331-202-TP072)

Sample type: SW 8015B **Sample Event:** EPA 5030C **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** **Date** *4/20/22* **Time** *1147*
Received by: *[Signature]* **Date** *4/20/22* **Time** *1147*
Relinquished by: **Sample Control** **Date** **Time**
Received by: **Date** **Time**

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 <input checked="" type="checkbox"/> EMAX Courier <input checked="" type="checkbox"/> Client Delivery	Airbill / Tracking Number	ECN <u>22D221</u> Recipient <u>Alan Ramos</u> Date <u>04/22/22</u> Time <u>11:47</u>
--	---------------------------	--

COC INSPECTION

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

PACKAGING INSPECTION

Container Condition Packaging Temperatures (Cool, ≤6°C but not frozen) Thermometer: _____	<input checked="" type="checkbox"/> Cooler Factor: <u>+0.2</u> <input checked="" type="checkbox"/> Bubble Pack <input checked="" type="checkbox"/> Cooler 1 <u>31/33</u> °C <input type="checkbox"/> Cooler 6 _____ °C <u>A - S/N 210583479</u>	<input type="checkbox"/> Box <input type="checkbox"/> Intact <input type="checkbox"/> Styrofoam <input checked="" type="checkbox"/> Cooler 2 <u>41/43</u> °C <input type="checkbox"/> Cooler 7 _____ °C <u>B - S/N _____</u>	<input type="checkbox"/> Other <input type="checkbox"/> Damaged <input type="checkbox"/> Popcorn <input type="checkbox"/> Cooler 3 _____ °C <input type="checkbox"/> Cooler 8 _____ °C <u>C - S/N 210271399</u>	<input type="checkbox"/> Sufficient <input type="checkbox"/> Cooler 4 _____ °C <input type="checkbox"/> Cooler 9 _____ °C <u>D - S/N _____</u>	<input type="checkbox"/> _____ °C <input type="checkbox"/> Cooler 5 _____ °C <input type="checkbox"/> Cooler 10 _____ °C
--	--	---	--	---	--

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

DISCREPANCIES

LabSampleID	LabSampleContainerID	Code	ClientSample Label ID / Information	Corrective Action
<u>1, 3</u>	<u>4-9, 18, 22</u>	<u>D2</u>	<u>Label requests Jet Fuel 5, COC</u>	<u>R8</u>
<u>3</u>	<u>14-17, 19-22</u>	<u>D10</u>	<u>requests Diesel only</u>	<u>R8</u>
<i>[Large diagonal scribble across the table]</i>				

pH holding time requirement for water samples is 15 mins. Water samples for pH analysis are received beyond 15 minutes from sampling time. MB 4/22/22

NOTES/OBSERVATIONS:
 SAMPLE MATRIX IS DRINKING WATER? YES NO

LEGEND:

<p>Code Description-Sample Management</p> <p><u>D2</u> 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><u>D10</u> 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 _____</p> <p>D23 _____</p> <p>D24 _____</p>	<p><input type="checkbox"/> Continue to next page.</p> <p>Code Description-Sample Management</p> <p>R1 Proceed as indicated in <input 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><u>R8 Informed Client.</u></p> <p>R9 _____</p> <p>R10 _____</p> <p>R11 _____</p> <p>R12 _____</p>
---	--	--

REVIEWS:

Sample Labeling <u>MAVINA</u>	SRF <u>[Signature]</u>	PM <u>MB</u>
Date <u>04/22/22</u>	Date <u>4/22/22</u>	Date <u>4/22/22</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

1000614

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

SDG#: 22D221

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 1000614

SDG : 22D221

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

A total of four(4) water samples were received on 04/22/22 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. VG39D09B - 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. VG39D09L/VG39D09C 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 D210-01M/D210-01S. Refer to Matrix QC summary form for details.

Surrogate

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

Sample Analysis

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

LAB CHRONICLE
TOTAL PETROLEUM HYDROCARBONS BY PURGE AND TRAP

Client : EUROFINS EATON ANALYTICAL
Project : 1000614

SDG NO. : 22D221
Instrument ID : GCT039

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	Analysis DateTime	Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
MBLK1W	VG39D09B	1	NA	04/22/2212:14	04/22/2212:14	ED22005A	ED22003A	22VG39D09	Method Blank
LCS1W	VG39D09L	1	NA	04/22/2212:51	04/22/2212:51	ED22006A	ED22003A	22VG39D09	Lab Control Sample (LCS)
LCD1W	VG39D09C	1	NA	04/22/2213:28	04/22/2213:28	ED22007A	ED22003A	22VG39D09	LCS Duplicate
202204210319	D221-01	1	NA	04/22/2221:26	04/22/2221:26	ED22020A	ED22015A	22VG39D09	Field Sample
202204210320	D221-02	1	NA	04/22/2222:03	04/22/2222:03	ED22021A	ED22015A	22VG39D09	Field Sample
202204210321	D221-03	1	NA	04/22/2222:40	04/22/2222:40	ED22022A	ED22015A	22VG39D09	Field Sample
202204210322	D221-04	1	NA	04/22/2223:16	04/22/2223:16	ED22023A	ED22015A	22VG39D09	Field Sample

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

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

=====
Client : EUROFINS EATON ANALYTICAL Date Collected: 04/19/22 10:48
Project : 1000614 Date Received: 04/22/22
Batch No. : 22D221 Date Extracted: 04/22/22 21:26
Sample ID : 202204210319 Date Analyzed: 04/22/22 21:26
Lab Samp ID: D221-01 Dilution Factor: 1
Lab File ID: ED22020A Matrix: WATER
Ext Btch ID: 22VG39D09 % Moisture: NA
Calib. Ref.: ED22015A 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	0.0334	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: 04/19/22 10:48
Project : 1000614 Date Received: 04/22/22
Batch No. : 22D221 Date Extracted: 04/22/22 22:03
Sample ID : 202204210320 Date Analyzed: 04/22/22 22:03
Lab Samp ID: D221-02 Dilution Factor: 1
Lab File ID: ED22021A Matrix: WATER
Ext Btch ID: 22VG39D09 % Moisture: NA
Calib. Ref.: ED22015A 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	0.0318	0.0400	79	60-140

Notes:

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

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

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 04/19/22 10:26
Project     : 1000614                     Date Received: 04/22/22
Batch No.   : 22D221                      Date Extracted: 04/22/22 22:40
Sample ID   : 202204210321               Date Analyzed: 04/22/22 22:40
Lab Samp ID: D221-03                     Dilution Factor: 1
Lab File ID: ED22022A                    Matrix: WATER
Ext Btch ID: 22VG39D09                   % Moisture: NA
Calib. Ref.: ED22015A                    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	0.0324	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: 04/19/22 10:26
Project : 1000614 Date Received: 04/22/22
Batch No. : 22D221 Date Extracted: 04/22/22 23:16
Sample ID : 202204210322 Date Analyzed: 04/22/22 23:16
Lab Samp ID: D221-04 Dilution Factor: 1
Lab File ID: ED22023A Matrix: WATER
Ext Btch ID: 22VG39D09 % Moisture: NA
Calib. Ref.: ED22015A 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

QC SUMMARIES

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

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 04/22/22 12:14
Project     : 1000614                     Date Received: 04/22/22
Batch No.   : 22D221                      Date Extracted: 04/22/22 12:14
Sample ID   : MBLK1W                      Date Analyzed: 04/22/22 12:14
Lab Samp ID: VG39D09B                    Dilution Factor: 1
Lab File ID: ED22005A                    Matrix: WATER
Ext Btch ID: 22VG39D09                   % Moisture: NA
Calib. Ref.: ED22003A                    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	0.0340	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 : 1000614
BATCH NO. : 22D221
METHOD : 5030B/8015B

```

=====
MATRIX      : WATER                               % MOISTURE:NA
DILUTION FACTOR: 1                               1
SAMPLE ID   : MBLK1W                             LCS1W         LCD1W
LAB SAMPLE ID : VG39D09B                         VG39D09L     VG39D09C
LAB FILE ID  : ED22005A                         ED22006A     ED22007A
DATE PREPARED : 04/22/22 12:14                  04/22/22 12:51 04/22/22 13:28
DATE ANALYZED : 04/22/22 12:14                  04/22/22 12:51 04/22/22 13:28
PREP BATCH   : 22VG39D09                        22VG39D09    22VG39D09
CALIBRATION REF: ED22003A                       ED22003A     ED22003A
  
```

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	0.484	97	0.500	0.475	95	2	60-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	SpikeAmt (mg/L)	LCDResult (mg/L)	LCDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0447	112	0.0400	0.0434	109	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 : 1000367
BATCH NO. : 22D210
METHOD : 5030B/8015B

MATRIX	: WATER		% MOISTURE:NA
DILUTION FACTOR:	1	1	1
SAMPLE ID	: 202204200839	202204200839MS	202204200839MSD
LAB SAMPLE ID	: D210-01	D210-01M	D210-01S
LAB FILE ID	: ED22008A	ED22009A	ED22010A
DATE PREPARED	: 04/22/22 14:04	04/22/22 14:41	04/22/22 15:18
DATE ANALYZED	: 04/22/22 14:04	04/22/22 14:41	04/22/22 15:18
PREP BATCH	: 22VG39D09	22VG39D09	22VG39D09
CALIBRATION REF:	ED22003A	ED22003A	ED22003A

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	0.451	90	0.500	0.455	91	1	50-130	30

SURROGATE PARAMETER	SpikeAmt (mg/L)	MSResult (mg/L)	MSRec (%)	SpikeAmt (mg/L)	MSDResult (mg/L)	MSDRec (%)	QCLimit (%)
Bromofluorobenzene	0.0400	0.0430	108	0.0400	0.0434	109	60-140

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

LABORATORY REPORT FOR

EUROFINS EATON ANALYTICAL

1000614

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

SDG#: 22D221

CASE NARRATIVE

Client : EUROFINS EATON ANALYTICAL

Project: 1000614

SDG : 22D221

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

A total of two(2) water samples were received on 04/22/22 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. DSD022WB - 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 DSD022WL. Both opening and closing calibration verifications were within QC limits. Refer to LCS summary form for details.

Matrix QC Sample

No matrix QC sample was provided on this SDG.

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 : 1000614

SDG NO. : 22D221
Instrument ID : D5

Client Sample ID	Laboratory Sample ID	Dilution Factor	% Moist	WATER		Extraction DateTime	Sample Data FN	Calibration Data FN	Prep. Batch	Notes
				Analysis DateTime	Method					
MBLKIW	DSD022WB	1	NA	04/27/2214:34	04/25/2210:15	LD27008A	LD27004A	22DSD022W	Method Blank	
LCSIW	DSD022WL	1	NA	04/27/2214:53	04/25/2210:15	LD27009A	LD27004A	22DSD022W	Lab Control Sample (LCS)	
202204210319	D221-01	1	NA	04/27/2217:02	04/25/2210:15	LD27016A	LD27004A	22DSD022W	Field Sample	
202204210321	D221-03	1	NA	04/27/2217:21	04/25/2210:15	LD27017A	LD27004A	22DSD022W	Field Sample	

FN - Filename
% Moist - Percent Moisture

SAMPLE RESULTS

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 04/19/22 10:48
Project    : 1000614                       Date Received: 04/22/22
Batch No.  : 22D221                         Date Extracted: 04/25/22 10:15
Sample ID  : 202204210319                   Date Analyzed: 04/27/22 17:02
Lab Samp ID: 22D221-01                       Dilution Factor: 1
Lab File ID: LD27016A                          Matrix: WATER
Ext Btch ID: 22DSD022W                         % Moisture: NA
Calib. Ref.: LD27004A                          Instrument ID: D5
=====

```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)	
Diesel	ND	0.026	0.013	
Motor Oil	ND	0.052	0.026	
SURROGATE PARAMETERS	RESULT	SPK_AMT	%RECOVERY	QC LIMIT
Bromobenzene	0.375	0.515	73	60-130
Hexacosane	0.115	0.129	89	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 : 970ml Final Volume : 5ml
Prepared by : JMuert Analyzed by : SDeeso

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 04/19/22 10:26
Project     : 1000614                     Date Received: 04/22/22
Batch No.   : 22D221                       Date Extracted: 04/25/22 10:15
Sample ID   : 202204210321                 Date Analyzed: 04/27/22 17:21
Lab Samp ID: 22D221-03                     Dilution Factor: 1
Lab File ID: LD27017A                       Matrix: WATER
Ext Btch ID: 22DSD022W                     % Moisture: NA
Calib. Ref.: LD27004A                       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	0.380	0.505	75	60-130
Hexacosane	0.112	0.126	88	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 : JMuert Analyzed by : SDeeso

QC SUMMARIES

METHOD 3520C/8015B
TOTAL PETROLEUM HYDROCARBONS BY EXTRACTION

```

=====
Client      : EUROFINS EATON ANALYTICAL   Date Collected: 04/25/22 10:15
Project     : 1000614                     Date Received: 04/25/22
Batch No.   : 22D221                       Date Extracted: 04/25/22 10:15
Sample ID   : MBLK1W                       Date Analyzed: 04/27/22 14:34
Lab Samp ID: DSD022WB                     Dilution Factor: 1
Lab File ID: LD27008A                     Matrix: WATER
Ext Btch ID: 22DSD022W                   % Moisture: NA
Calib. Ref.: LD27004A                     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	0.103	0.125	82	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 : 1000614
BATCH NO. : 22D221
METHOD : 3520C/8015B

MATRIX : WATER % MOISTURE:NA
DILUTION FACTOR: 1 1
SAMPLE ID : MBLK1W LCS1W
LAB SAMPLE ID : DSD022WB DSD022WL
LAB FILE ID : LD27008A LD27009A
DATE PREPARED : 04/25/22 10:15 04/25/22 10:15
DATE ANALYZED : 04/27/22 14:34 04/27/22 14:53
PREP BATCH : 22DSD022W 22DSD022W
CALIBRATION REF: LD27004A LD27004A

ACCESSION:

PARAMETERS	MBResult (mg/L)	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Diesel	ND	2.50	2.16	86	50-130

SURROGATE PARAMETERS	SpikeAmt (mg/L)	LCSResult (mg/L)	LCSRec (%)	QCLimit (%)
Bromobenzene	0.500	0.481	96	60-130
Hexacosane	0.125	0.117	94	60-130

MB: Method Blank sample LCS: Lab Control Sample