

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: 984932
Project: INTERA
Group: MW - INTERA Albuquerque+

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

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

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

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

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

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

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

STATE CERTIFICATION LIST

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

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2917 Accredited Method List

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

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

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

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

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

(+) In-House Method

Acknowledgement of Samples Received

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

Attn: Erwin Kawata
Phone: 808-748-5091

Client ID: HONOLULU
Folder #: 984932
Project: INTERA
Sample Group: MW - INTERA Albuquerque+

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

The following samples were received from you on **February 02, 2022** at **1046**. 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
202202030159	BWS2253-J1-TB	02/01/2022 0900
	(SUB)Gas Fraction Hydrocarbons	
202202030160	BWS2253-J1-AQ	02/01/2022 0900
	(SUB)Gas Fraction Hydrocarbons TPH 8015 Diesel and Motor Oil	
202202070052	RUSH	02/01/2022 09:00
	RUSH	

Test Description

Kit Order for Honolulu Board of Water Supply

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

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

Created Date & Time: 12/23/2021 2:05:59AM

Note: Sampler Please return this paper with your samples

Kit #: 308753

Cifent ID: HONOLULU

Created By: - [AutoGenerated]
 Deliver By: 01/17/2022
 STG: Bottle Orders
 Ice Type: W

Project Code: INTERA Bottle Orders
 Group Name: RUSH Incident Follow-up TPH (2021)
 PC#/JOB#: C20525101 exp 05312023
 Description: ASSET MW Monitoring - Every 1 w

Ship Sample Kits to
 INTERA Incorporated
 41-038 A Manana Street
 Waimanalo, HI 96795
 Attn: Kevin Gooding- Ship INTERA
 Phone: 808.382.6853

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	4 - 1L amber glass [no preservative]	4	
1	8015 Gas Travel Blank	2 - 40ml amber glass vial [4 drops of 1:1 HCL + H2O]	2	UN1789
1	8015 Gas	4 - 40ml amber glass vial [no preservative]	4	
1	@8015B_C6-C44	0 - 500ml amber glass [8015_C6-C44_no pres]	0	
1	@8015B GAS/DIESEL/OIL_Calscience	0 - 500ml amber glass [no preservative]	0	
Sum Tests: 5			Sum Bottles: 10	

Sum Bottles: 10

Comments

Extra Volume for randomly selected Batch QC. Sample may not be chosen for batch QC.

Testing
 8015 C6-C44 extractable GRO, DRO, ORO
 8015 C6-C10 purgeable (GRO)

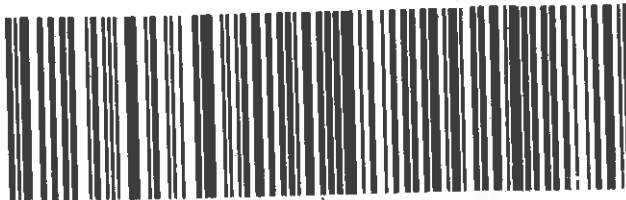
Sampler - RUSH testing Ship direct to the 8015 testing lab. with note on the COC to Bill and report to EEA-monrovia

Asset Labs
 Sample receiving
 ASSET Laboratories
 3151 W. Post Road,
 Las Vegas, NV 89118
 702.307.2659
 Marlon Cartin
 Sr. Project Manager
 www.assetlaboratories.com
 Email: marlon@assetlaboratories.com

P: 702.307.2659 Ext. 410 | F: 702.307.2691 | M: 702.439.0421

Include KO with COC

3.80c
ITC#3

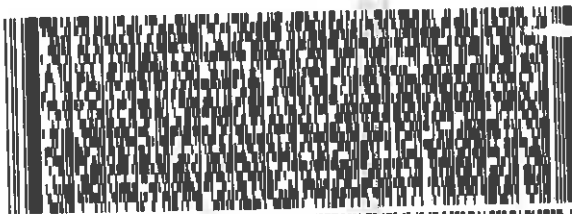


89118 LAS NV-US

WR LASA

WED - 02 FEB 10:30A
PRIORITY OVERNIGHT

TRK# 2893 7537 6271



PLEASE PRINT OR TYPE CLEARLY AND LEGIBLY ON THIS LABEL. ALL INFORMATION ON THIS LABEL IS FOR THE USE OF THE FEDEX OPERATOR ONLY.

Part # 166207-6955-5120V2-EXP 08/22

LAS VEGAS NV 89118

ATTN MARLON CARTIN, SR PROJECT
ASSET LABORATORIES SAMPLE RECEIVING
3151 WEST POST RD

SHIP DATE: 01FEB22
ACTWGT: 37.30 LB
CAD: 6994244/SSFE2220
DIMS: 19x12x13 IN
BILL THIRD PARTY

ORIGIN ID: HNLA (808) 382-6853
KEVIN GOODING
INTERA INC
74 KIHAPAI ST
P.O. BOX 11002, REDHILL
KAILUA, HI 96734
UNITED STATES US

(702) 307-2659

REF:

DEPT:

3.80c

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

Laboratory Comments

Report: 984932
Project: INTERA
Group: MW - INTERA Albuquerque+

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

Folder Comments

Results for TPH Carbon Chain by 8015 are submitted by Asset Laboratories

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Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Report: 984932
Project: INTERA
Group: MW - INTERA Albuquerque+

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

Samples Received on:
02/02/2022 1046

Analyzed	Analyte	Sample ID	Result	HI Limit	Units	MRL
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Honolulu Board of Water Supply
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 Honolulu, HI 96843

Samples Received on:
 02/02/2022 1046

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>BWS2253-J1-TB (202202030159)</u>						Sampled on 02/01/2022 0900			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/03/22	02/03/22 11:03			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.05	1
<u>BWS2253-J1-AQ (202202030160)</u>						Sampled on 02/01/2022 0900			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
02/03/22	02/03/22 11:34			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.05	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
02/02/22	02/02/22 09:55			(SW 8015B)	TPH Diesel	ND	ug/L	50	1
02/02/22	02/02/22 09:55			(SW 8015B)	TPH Motor Oil	ND	ug/L	50	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.

February 04, 2022

Debbie Frank
Eurofins
750 Royal Oaks Drive Suite 100
Monrovia, CA 91016-3629
TEL: (626) 386-1158
FAX:

Workorder No.: N049250

RE: RED HILL

Attention: Debbie Frank

Enclosed are the results for sample(s) received on February 02, 2022 by ASSET Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,



Nancy Sibucan
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and ASSET Laboratories - Las Vegas.



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

CALIFORNIA | P: 562.219.7435 F: 562.219.7436
11110 Artesia Blvd., Ste B, Cerritos, CA 90703
ELAP Cert 2921
EPA ID CA01638

NEVADA | P: 702.307.2659 F: 702.307.2691
3151 W. Post Rd., Las Vegas, NV 89118
ELAP Cert 2676 | NV Cert NV00922
ORELAP/NELAP Cert 4046

"Serving Clients with Passion and Professionalism"

CLIENT: Eurofins
Project: RED HILL
Lab Order: N049250

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

All sample containers were received intact with proper chain of custody documentation.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Samples were analyzed within method holding time.



CLIENT: Eurofins
Project: RED HILL
Lab Order: N049250
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N049250-001A	984932_202202030160_BW S2253-J1-AQ	Raw Groundwater	2/1/2022 9:00:00 AM	2/2/2022	2/4/2022
N049250-001B	984932_202202030160_BW S2253-J1-AQ	Raw Groundwater	2/1/2022 9:00:00 AM	2/2/2022	2/4/2022
N049250-002A	984932_202202030159_BW S2253-J1-TB	Bottled Water	2/1/2022 9:00:00 AM	2/2/2022	2/4/2022



ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 04-Feb-22

CLIENT: Eurofins
Lab Order: N049250
Project: RED HILL
Lab ID: N049250-001

Client Sample ID: 984932_202202030160_BWS2253-J
Collection Date: 2/1/2022 9:00:00 AM
Matrix: RAW GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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TPH CARBON CHAIN EPA 8015

EPA 3510C

EPA 8015B(M)

RunID: NV00922-GC1_220201C	QC Batch: 91318				PrepDate: 2/2/2022	Analyst: MCC
Diesel Range Organics (C10-C28)	ND	50		ug/L	1	2/2/2022 09:55 PM
Oil Range Organics (C28-C40)	ND	50		ug/L	1	2/2/2022 09:55 PM
Surr: p-Terphenyl	85.9	33-138		%REC	1	2/2/2022 09:55 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: NV00922-GC4_220203A	QC Batch: E22VW011				PrepDate:	Analyst: DJ
GRO	ND	0.050		mg/L	1	2/3/2022 11:34 AM
Surr: Chlorobenzene - d5	101	69-130		%REC	1	2/3/2022 11:34 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 04-Feb-22

CLIENT: Eurofins
Lab Order: N049250
Project: RED HILL
Lab ID: N049250-002

Client Sample ID: 984932_202202030159_BWS2253-J
Collection Date: 2/1/2022 9:00:00 AM
Matrix: BOTTLED WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: NV00922-GC4_220203A	QC Batch: E22VW011	PrepDate:	Analyst: DJ		
GRO	ND	0.050	mg/L	1	2/3/2022 11:03 AM
Surr: Chlorobenzene - d5	108	69-130	%REC	1	2/3/2022 11:03 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	



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ASSET Laboratories

Date: 04-Feb-22

ANALYTICAL QC SUMMARY REPORT

CLIENT: Eurofins
Work Order: N049250
Project: RED HILL

TestCode: 8015DM_W_CC

Sample ID: MB-91318	SampType: MBLK	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 2/2/2022	RunNo: 159978						
Client ID: PBW	Batch ID: 91318	TestNo: EPA 8015B(M)	EPA 3510C	Analysis Date: 2/2/2022	SeqNo: 4521877						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	ND	50									
Oil Range Organics (C28-C40)	ND	50									
Surr: p-Terphenyl	78.620		80.00		98.3	33	138				

Sample ID: LCS-91318	SampType: LCS	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 2/2/2022	RunNo: 159978						
Client ID: LCSW	Batch ID: 91318	TestNo: EPA 8015B(M)	EPA 3510C	Analysis Date: 2/2/2022	SeqNo: 4521878						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	764.327	50	1000	0	76.4	48	120				
Surr: p-Terphenyl	70.497		80.00		88.1	33	138				

Sample ID: N049250-001B-MS	SampType: MS	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 2/2/2022	RunNo: 159978						
Client ID: ZZZZZZ	Batch ID: 91318	TestNo: EPA 8015B(M)	EPA 3510C	Analysis Date: 2/2/2022	SeqNo: 4521880						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	742.765	50	1000	0	74.3	48	120				
Surr: p-Terphenyl	67.658		80.00		84.6	33	138				

Sample ID: N049250-001B-MSD	SampType: MSD	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 2/2/2022	RunNo: 159978						
Client ID: ZZZZZZ	Batch ID: 91318	TestNo: EPA 8015B(M)	EPA 3510C	Analysis Date: 2/2/2022	SeqNo: 4521881						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	741.791	50	1000	0	74.2	48	120	742.8	0.131	20	
Surr: p-Terphenyl	70.744		80.00		88.4	33	138		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



CALIFORNIA P:562.219.7435 F:562.219.7436 NEVADA P:702.307.2659 F:702.307.2691
 11110 Artesia Blvd, Ste B, Cerritos, CA 90703 3151 W. Post Rd., Las Vegas, NV 89118
 ELAP Cert 2921 ELAP Cert 2676 | NV Cert NV00922
 EPA ID:CA01638 ORELAP/NELAP Cert 4046

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

CLIENT: Eurofins
 Work Order: N049250
 Project: RED HILL

Sample ID: E220203LCS SampType: LCS TestCode: 8015GAS_WP Units: mg/L Prep Date: RunNo: 160019
 Client ID: LCSW Batch ID: E22VW011 TestNo: EPA 8015B Analysis Date: 2/3/2022 SeqNo: 4523126

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.965	0.050	1.000	0	96.5	69	143				
Surr: Chlorobenzene - d5	50.790		50.00		102	69	130				

Sample ID: N049250-001AMS SampType: MS TestCode: 8015GAS_WP Units: mg/L Prep Date: RunNo: 160019
 Client ID: ZZZZZZ Batch ID: E22VW011 TestNo: EPA 8015B Analysis Date: 2/3/2022 SeqNo: 4523130

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.160	0.050	1.000	0	116	49	156				
Surr: Chlorobenzene - d5	53.299		50.00		107	69	130				

Sample ID: N049250-001AMSD SampType: MSD TestCode: 8015GAS_WP Units: mg/L Prep Date: RunNo: 160019
 Client ID: ZZZZZZ Batch ID: E22VW011 TestNo: EPA 8015B Analysis Date: 2/3/2022 SeqNo: 4523131

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.075	0.050	1.000	0	108	49	156	1.160	7.61	20	
Surr: Chlorobenzene - d5	52.129		50.00		104	69	130		0	0	

Sample ID: E220203MB2 SampType: MBLK TestCode: 8015GAS_WP Units: mg/L Prep Date: RunNo: 160019
 Client ID: PBW Batch ID: E22VW011 TestNo: EPA 8015B Analysis Date: 2/3/2022 SeqNo: 4523134

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Chlorobenzene - d5	47.487		50.00		95.0	69	130				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- S Spike/Surrogate outside of limits due to matrix interference



CALIFORNIA P:562.219.7435 F:562.219.7436 NEVADA P:702.307.2659 F:702.307.2691
 11110 Artesia Blvd - Ste B, Cerritos, CA 90703 3151 W. Post Rd., Las Vegas, NV 89118
 ELAP Cert 2921 ELAP Cert 2676 | NV Cert NV00922
 EPA ID:CA01638 ORELAP/NELAP Cert 4046

ASSET Laboratories

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On: 2/2/2022 Workorder: N049250
 Rep sample Temp (Deg C): 3.8 IR Gun ID: 3
 Temp Blank: Yes No
 Carrier name: FedEx
 Last 4 digits of Tracking No.: 6271 Packing Material Used: Bubble Wrap
 Cooling process: Ice Ice Pack Dry Ice Other None

Sample Receipt Checklist

- | | | | |
|---|--|--|--|
| 1. Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 2. Custody seals intact, signed, dated on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 3. Custody seals intact on sample bottles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 4. Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 5. Sampler's name present in COC? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 6. Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 10. Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 11. All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 12. Temperature of rep sample or Temp Blank within acceptable limit? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 13. Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 14. Water - pH acceptable upon receipt?
Example: pH > 12 for (CN,S); pH<2 for Metals | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| 15. Did the bottle labels indicate correct preservatives used? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 16. Were there Non-Conformance issues at login?
Was Client notified? | Yes <input type="checkbox"/>
Yes <input type="checkbox"/> | No <input type="checkbox"/>
No <input type="checkbox"/> | NA <input checked="" type="checkbox"/>
NA <input checked="" type="checkbox"/> |

Comments: Sample 2: Same collection date and time of the associated field sample (sample 1). With intact custody seal.

Checklist Completed By: YR YRJ 2/3/2022

Reviewed By: ABC 2/3/2022

ASSET Laboratories

WORK ORDER Summary

03-Feb-22

WorkOrder: N049250

Client ID: EUROF01

Project: RED HILL

Comments: MRL only

QC Level: RTNE

Date Received: 2/2/2022

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049250-001A	984932_202202030160_BWS 2022 11 AC	2/1/2022 9:00:00 AM	2/4/2022	Raw Groundwater	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N049250-001B			2/4/2022		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N049250-002A	984932_202202030159_BWS 2022 11 TP		2/4/2022	Bottled Water	EPA 8015B(M)	TPH Carbon Chain EPA 8015	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N049250-003A	FOLDER	2/4/2022	2/4/2022		EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
			2/4/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			2/4/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

38°C

ORIGIN ID: HNLA (808) 382-6853
KEVIN GOODING
INTERA INC
74 KIHAPAI ST
P.O. BOX 1, COO2, REDHILL
KAILUA, HI 96734
UNITED STATES US

SHIP DATE: 01FEB22
ACTWGT: 37.30 LB
CAD: 6984244/SSFE2220
DIMS: 18x12x13 IN
BILL THIRD PARTY

Part # 150207495, 5181021227, EXP 02/22

TO **ATTN MARLON CARTIN, SR PROJECT**
ASSET LABORATORIES SAMPLE RECEIVING
3151 WEST POST RD

LAS VEGAS NV 89118

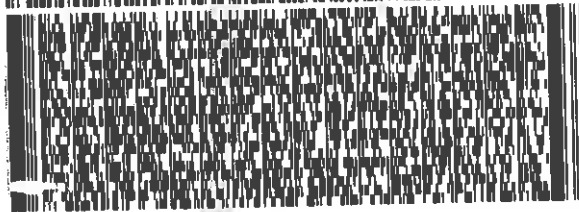
(702) 307-2859

REF:

HUI
PG:

DEPT:

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE



FedEx
Express



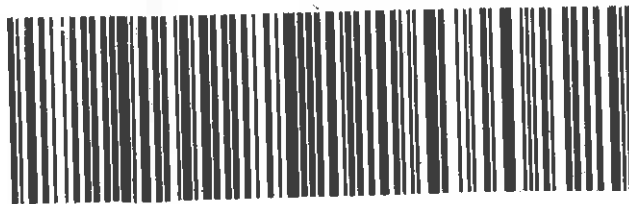
10102201227

WED - 02 FEB 10:30A
PRIORITY OVERNIGHT

TRK# 2893 7537 627 i
0201

WR LASA

89118
NV-US LAS



3.8°C
IR#3