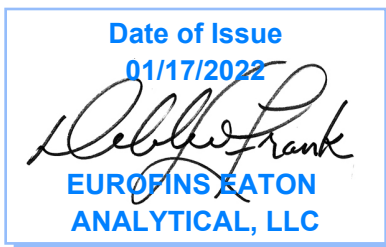


750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

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: 978816
Project: INTERA
Group: RUSH Incident Follow-up TPH (2021)

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

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

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

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

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

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

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

STATE CERTIFICATION LIST

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

* NELAP/TNI Recognized Accreditation Bodies

ISO/IEC 17025:2917 Accredited Method List

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

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

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

Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x	
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x
Heterotrophic Bacteria	SM 9215 B	x	
Legionella	Legiolert®	x	
Pseudomonas aeruginosa	Idexx Pseudalart	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x	
Total Microcystins and Nodularins	EPA 546	X	
Yeast and Mold	SM 9610	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x	
1,4-Dioxane	EPA 522	x	
2,3,7,8-TCDD	Modified EPA 1613 B	x	
Acrylamide	+ LCMS 2440)	x	
Algal Toxins/Microcystin	+ LCMS 3570	x	
Alkalinity	SM 2320B	x	x
Ammonia	EPA 350.1, SM 4500-NH3 H		x
Asbestos	EPA 100.2	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x
BOD/CBOD	SM 5210 B		x
Bromate	+ LCMS- 2447	x	
Carbonate as CO3	SM 2330 B	x	x
Carbonyls	EPA 556	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x
Chlorinated Acids	EPA 515.4	x	
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x	
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x	
Color	SM2120B	x	
Conductivity	EPA 120.1, SM 2510B	x	x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x	
Cyanide (Amenable)	SM 4500-CN G	x	x
Cyanide (Free)	SM 4500CN F	x	x
Cyanide (Total)	EPA 335.4	x	x
Cyanogen Chloride (Screen)	+ 335 Mod (WC-24467)	x	
Diquat and Paraquat	EPA 549.2	x	
DBP and HAA	SM 6251 B	x	
Dissolved Organic Carbon	SM 5310 C	x	
Dissolved Oxygen	SM 4500-O G		x
EDB/DCBP/TCP	EPA 504.1	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x	
EDTA and NTA	+ WC-2454	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

Test(s)	Method(s)	Potable Water *	Waste Water
Gross Alpha coprecipitation	SM 7110 C	x	x
Hardness	SM 2340 B	x	x
Hexavalent Chromium	EPA 218.6,	x	x
Hexavalent Chromium	EPA 218.7,	x	
Hexavalent Chromium	SM 3500-Cr B		x
Inorganic Anions and DBPs	EPA 300.0	x	x
Norganic Anions and DBPs	EPA 300.1	x	
Kjeldahl Nitrogen	EPA 351.2		x
Metals	EPA 200.7, EPA200.8	x	x
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Odor	SM2150B	x	
Organohalide Pesticides and PCB	EPA 505	x	
Ortho Phosphate	SM 4500P E	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Perchlorate	EPA 331.0	x	
Perchlorate (Low and High Levels)	EPA 314.0	x	
Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
PPCP and EDC	+ LCMS-2443	x	
pH	EPA 150.1 SM 4500-H+ B	x	x
Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
Phenylurea Pesticides/Herbicides	+ LCMS-2448	x	
Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Radon-222	SM 7500RN	x	
Residue (Filterable)	SM 2540C	x	x
Residue (Non-Filterable)	SM 2540D		x
Residue (Total)	SM 2540B		x
Residue (Volatile)	EPA 160.4		x
Semi-Volatile Compounds	EPA 525.2	x	
Silica	SM 4500-SiO2 C	x	x
Sulfide	SM 4500-S D		x
Sulfite	SM 4500-SO3 B	x	x
Surfactants	SM 5540C	x	x
Taste and Odor	SM 6040 E	x	
Total Organic Carbon	SM 5310 C	x	x
Total Phenols	EPA 420.1		x
Total Phenols	EPA 420.4	x	x
Triazine Pesticides and their Degradates	+ LCMS-3617	x	
Turbidity	EPA 180.1	x	x
Uranium by ICP/MS	EPA 200.8	x	
UV 254 Organic Constituents	SM 5910B	x	
VOCs	EPA 524.2	x	
VOCs	+ (GCMS 2412) by EPA 524.2 modified	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 #: 978816
Project: INTERA
Sample Group: RUSH Incident Follow-up TPH (2021)

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

The following samples were received from you on **January 06, 2022 at 0940**. 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>202201060248</u>	TRAVEL BLANK Raw (SUB)Gas Fraction Hydrocarbons	01/05/2022 0930
<u>202201060249</u>	BWS2253-J1-AQ Static ID: Raw+MS/MSD vol for 600/8000 @8015_C8-C44_ASSETS (SUB)Gas Fraction Hydrocarbons	01/05/2022 0930
<u>202201060250</u>	RUSH RUSH	01/05/2022 0930

Test Description

@8015_C8-C44_ASSETS -- 8015 C8-C44



Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

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

LOGIN COMMENTS: _____ **SAMPLES CHECKED AGAINST COC BY:** _____

SAMPLES LOGGED IN BY: _____

SAMPLE TEMP RECEIVED AT: ASSET LABS 4-LC 1043 **SAMPLES REC'D DAY OF COLLECTION?** (check for yes)

Colton / No. California / Arizona _____ °C (Compliance: 4 ± 2 °C)

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

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

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx UPS / DHL / Area Fast / Top Line / Other: _____ *Folder # 4311*

TO BE COMPLETED BY SAMPLER: _____ (check for yes) _____ (check for yes)

COMPANY/AGENCY NAME:		PROJECT CODE:		RED HILL		COMPLIANCE SAMPLES		NON-COMPLIANCE SAMPLES	
Honolulu Board of Water Supply		MW - INTERA Albuquerque +		Mw - INTERA Albuquerque +		- Requires state forms		REGULATION INVOLVED:	
EEA CLIENT CODE:		COC ID:		CLIENT LAB ID		Type of samples (circle one):		ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA...)	
HONOLULU		HONOLULU		BWS2253-J1-AQ		SEE ATTACHED BOTTLE ORDER FOR ANALYSES		<input checked="" type="checkbox"/> (check for yes), OR	
TAT requested: rush by adv notice only: RUSH		STD __ 1 wk __ 3 day __ X_ 2 day __ 1 day		BWS2253-J1-TB		list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)		<input checked="" type="checkbox"/> (check for yes)	
SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	TPH 8015 Diesel and Motor Oil	8015 Gas Travel Blank	8015 Gas
1/5/22	0930	N048693-01	BWS2253-J1-AQ	RGW			4	2	4
		-02	BWS2253-J1-TB	BW					

Ship to: Asset Laboratories
 3151 West Post Road
 Las Vegas NV 89118
 702-307-2659
 Attn: Marlon Cartin
 marlon@assetlaboratories.com

Bill and Report to EEA-Monrovia

Kit# 308743
 Provided by EEA

SAMPLER COMMENTS

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

SAMPLED BY:	RELINQUISHED BY:	RECEIVED BY:	RECEIVED BY:	RECEIVED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	Kevin Gooding	Kevin Gooding	INTERA Incorporated / Senior Hydrogeologist	1/5/22	0930
					Kevin Gooding	Kevin Gooding	INTERA Incorporated / Senior Hydrogeologist	1/5/22	1130
					<i>[Signature]</i>	<i>[Signature]</i>	ASSET LABS	1/6/22	0940

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

Laboratory Comments

Report: 978816
Project: INTERA
Group: RUSH Incident Follow-up TPH (2021)

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

Folder Comments

Results for Gas Range and TPH Carbon Range are submitted by Asset Laboratories

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

Report: 978816
Project: INTERA
Group: RUSH Incident Follow-up TPH (2021)

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

Samples Received on:
01/06/2022 0940

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

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

Report: 978816
Project: INTERA
Group: RUSH Incident Follow-up TPH (2021)

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

Samples Received on:
 01/06/2022 0940

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>TRAVEL BLANK Raw (202201060248)</u>						Sampled on 01/05/2022 0930			
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
01/10/22	01/10/22 15:18			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.05	1
<u>BWS2253-J1-AQ (202201060249)</u>						Sampled on 01/05/2022 0930			
Static ID: Raw+MS/MSD vol for 600/8000									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
01/10/22	01/10/22 14:48			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.05	1
EPA 8015 - 8015 C8-C44									
	01/06/22 19:01			(EPA 8015)	Diesl Range Organics (DRO)-C10-C28	ND	ug/L	50	1
	01/06/22 19:01			(EPA 8015)	Oil Range Organics (C28-C40)	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.

January 17, 2022

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

Workorder No.: N048693

RE: RED HILL

Attention: Debbie Frank

Enclosed are the results for sample(s) received on January 06, 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: N048693

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: N048693
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N048693-001A	978816_202201060249_BW S2253-J1-AQ	Raw Groundwater	1/5/2022 9:30:00 AM	1/6/2022	1/11/2022
N048693-001B	978816_202201060249_BW S2253-J1-AQ	Raw Groundwater	1/5/2022 9:30:00 AM	1/6/2022	1/11/2022
N048693-002A	978816_202201060248_TRA VEL BLANK Raw	Bottled Water	1/5/2022 9:30:00 AM	1/6/2022	1/11/2022



ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 17-Jan-22

CLIENT: Eurofins
Lab Order: N048693
Project: RED HILL
Lab ID: N048693-001

Client Sample ID: 978816_202201060249_BWS2253-J
Collection Date: 1/5/2022 9:30:00 AM
Matrix: RAW GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TPH CARBON CHAIN EPA 8015						
EPA 3510C			EPA 8015B(M)			
RunID: NV00922-GC3_220106B	QC Batch: 90968				PrepDate: 1/6/2022	Analyst: PL
Diesel Range Organics (C10-C28)	ND	50		ug/L	1	1/6/2022 07:01 PM
Oil Range Organics (C28-C40)	ND	50		ug/L	1	1/6/2022 07:01 PM
Gas Range Organics (extractable) (C10)	ND	50		ug/L	1	1/6/2022 07:01 PM
Surr: p-Terphenyl	79.8	33-138		%REC	1	1/6/2022 07:01 PM
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B			
RunID: NV00922-GC4_220110A	QC Batch: E22VW002				PrepDate:	Analyst: DJ
GRO	ND	0.050		mg/L	1	1/10/2022 02:48 PM
Surr: Chlorobenzene - d5	93.0	69-130		%REC	1	1/10/2022 02:48 PM

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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ANALYTICAL RESULTS

Print Date: 17-Jan-22

CLIENT: Eurofins
Lab Order: N048693
Project: RED HILL
Lab ID: N048693-002

Client Sample ID: 978816_202201060248_TRAVEL B
Collection Date: 1/5/2022 9:30:00 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_220110A	QC Batch: E22VW002	PrepDate:	Analyst: DJ		
GRO	ND	0.050	mg/L	1	1/10/2022 03:18 PM
Surr: Chlorobenzene - d5	96.2	69-130	%REC	1	1/10/2022 03:18 PM

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: 17-Jan-22

ANALYTICAL QC SUMMARY REPORT

CLIENT: Eurofins
Work Order: N048693
Project: RED HILL

TestCode: 8015DM_W_CC

Sample ID: MB-90968	SampType: MBLK	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 1/6/2022	RunNo: 159392						
Client ID: PBW	Batch ID: 90968	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 1/6/2022	SeqNo: 4491291						
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									
Gas Range Organics (extractable) (C8-C	ND	50									
Surr: p-Terphenyl	74.793		80.00		93.5	33	138				

Sample ID: LCS-90968	SampType: LCS	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 1/6/2022	RunNo: 159392						
Client ID: LCSW	Batch ID: 90968	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 1/6/2022	SeqNo: 4491292						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	623.563	50	1000	0	62.4	48	120				
Surr: p-Terphenyl	61.158		80.00		76.4	33	138				

Sample ID: N048693-001B-MS	SampType: MS	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 1/6/2022	RunNo: 159392						
Client ID: ZZZZZZ	Batch ID: 90968	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 1/6/2022	SeqNo: 4491331						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	598.107	50	1000	0	59.8	48	120				
Surr: p-Terphenyl	59.716		80.00		74.6	33	138				

Sample ID: N048693-001B-MSD	SampType: MSD	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 1/6/2022	RunNo: 159392						
Client ID: ZZZZZZ	Batch ID: 90968	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 1/6/2022	SeqNo: 4491379						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	653.022	50	1000	0	65.3	48	120	598.1	8.78	20	
Surr: p-Terphenyl	65.841		80.00		82.3	33	138		0	0	

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
- H Holding times for preparation or analysis exceeded
- 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

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GAS_WP

CLIENT: Eurofins
 Work Order: N048693
 Project: RED HILL

Sample ID: E220110LCS	SampType: LCS	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 159475						
Client ID: LCSW	Batch ID: E22VW002	TestNo: EPA 8015B		Analysis Date: 1/10/2022	SeqNo: 4496593						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.987	0.050	1.000	0	98.7	69	143				
Surr: Chlorobenzene - d5	45.759		50.00		91.5	69	130				

Sample ID: E220110MB	SampType: MBLK	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 159475						
Client ID: PBW	Batch ID: E22VW002	TestNo: EPA 8015B		Analysis Date: 1/10/2022	SeqNo: 4496594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Chlorobenzene - d5	45.494		50.00		91.0	69	130				

Sample ID: N048710-001BMS	SampType: MS	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 159475						
Client ID: ZZZZZZ	Batch ID: E22VW002	TestNo: EPA 8015B		Analysis Date: 1/10/2022	SeqNo: 4496596						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.810	0.050	1.000	0	81.0	49	156				
Surr: Chlorobenzene - d5	41.971		50.00		83.9	69	130				

Sample ID: N048710-001MSD	SampType: MSD	TestCode: 8015GAS_WP	Units: mg/L	Prep Date:	RunNo: 159475						
Client ID: ZZZZZZ	Batch ID: E22VW002	TestNo: EPA 8015B		Analysis Date: 1/10/2022	SeqNo: 4496597						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.941	0.050	1.000	0	94.1	49	156	0.8100	15.0	20	
Surr: Chlorobenzene - d5	43.318		50.00		86.6	69	130		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



Eaton Analytical

CHAIN OF CUSTODY RECORD

EUROFINS EATON ANALYTICAL USE ONLY:

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

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY:

SAMPLES LOGGED IN BY:

SAMPLE TEMP RECEIVED AT: ASSET LABS 9122 1023

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

Colton / No. California / Arizona °C (Compliance: 4 ± 2 °C)

Monrovia °C (Compliance: 4 ± 2 °C)

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

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

Feder # 4311

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: Honolulu Board of Water Supply			PROJECT CODE: RED HILL	COMPLIANCE SAMPLES <input type="checkbox"/> - Requires state forms	NON-COMPLIANCE SAMPLES <input checked="" type="checkbox"/>		
EEA CLIENT CODE: HONOLULU			SAMPLE GROUP: MW - INTERA Albuquerque +	Type of samples (circle one): ROUTINE SPECIAL CONFIRMATION (eg. SDWA, Phase V, NPDES, FDA...)			
TAT requested: rush by adv notice only: RUSH			STD <input type="checkbox"/> 1 wk <input type="checkbox"/> 3 day <input type="checkbox"/> X <input type="checkbox"/> 2 day <input type="checkbox"/> 1 day	SEE ATTACHED BOTTLE ORDER FOR ANALYSES <input checked="" type="checkbox"/> (check for yes), OR			
SAMPLE DATE	SAMPLE TIME	SAMPLE ID	CLIENT LAB ID	MATRIX *	FIELD DATA	FIELD DATA	SAMPLER COMMENTS
1/5/22	0930	N048693-01 -02	BWS2253-J1-AQ BWS2253-J1-TB	RGW BW			<p>Ship to: Asset Laboratories 3151 West Post Road Las Vegas NV 89118 702-307-2659 Attn: Marlon Cartin marlon@assetlaboratories.com</p> <p>Bill and Report to EEA-Monrovia</p> <p>TPH 8015 Diesel and Motor Oil 4</p> <p>8015 Gas Travel Blank 2</p> <p>8015 Gas 4</p> <p>kit# 308743</p> <p>Provided by EEA</p>

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

SAMPLED BY:	RELINQUISHED BY:	RECEIVED BY:	RECEIVED BY:	RECEIVED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
					<i>[Signature]</i>	Kevin Gooding	INTERA Incorporated / Senior Hydrogeologis	1/5/22	0930
					<i>[Signature]</i>	Kevin Gooding	INTERA Incorporated / Senior Hydrogeologis	1/5/22	1130
					<i>[Signature]</i>	Guille Gallie	ASSET LABS	1/6/22	0940

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: 1/6/2022 Workorder: N048693
 Rep sample Temp (Deg C): 4.1 IR Gun ID: 3
 Temp Blank: Yes No
 Carrier name: FedEx
 Last 4 digits of Tracking No.: 4311 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 type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" 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 type="checkbox"/> | No <input checked="" 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 checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |

Comments: See Correspondence.

Checklist Completed By: GGJ *GGarcia* 1/6/2022

Reviewed By:  1/6/2022

ASSET Laboratories

WORK ORDER Summary

06-Jan-22

WorkOrder: N048693

Client ID: EUROF01

Project: RED HILL

QC Level: RTNE

Date Received: 1/6/2022

Comments:

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N048693-001A	978816_202201060249_BWS 7753 11 AC	1/5/2022 9:30:00 AM	1/11/2022	Raw Groundwater	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N048693-001B			1/11/2022		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			1/11/2022		EPA 8015B(M)	TPH Carbon Chain EPA 8015	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N048693-002A	978816_202201060248_TRA VET DI ANTE D....		1/11/2022	Bottled Water	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N048693-003A	FOLDER	1/11/2022	1/11/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			1/11/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

ORIGIN ID: HNLA (808) 382-6853
INTERA, INC.
KEVIN GOODING
74 KIHAPAI ST

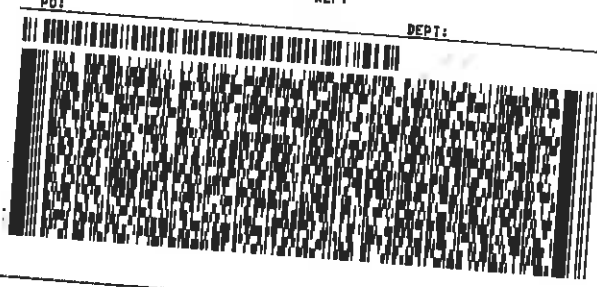
SHIP DATE: 05JAN22
ACTWGT: 42.15 LB
CAD: 6994243/SSFE2220
DIMS: 24x13x13 IN

KAILUA, HI 96734
UNITED STATES US

BILL CREDIT CARD

TO **ASSET LABORATORIES**
SAMPLE RECIEVING ATTN: MARLON CARTIN
3151 W POST RD

LAS VEGAS NV 89118
(702) 307-2859 REF: DEPT:



TRK# 2884 1800 4311
0201

THU - 06 JAN 8:00A
FIRST OVERNIGHT
AHS
89118
NV-US LAS

W1 LASA



Part # 158297-435 RPDW2 EXP 09/22
4932/1310/21/035