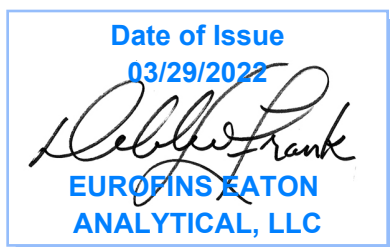


750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

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: 994853
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 #: 994853
 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 **March 23, 2022** at **0955**. 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
202203240119	BWS2253-J1-AQ	03/22/2022 0915
	Variable ID: N049951-01	
	(SUB)Gas Fraction Hydrocarbons	TPH 8015 Diesel and Motor Oil
202203240120	BWS2253-J1-TB	03/22/2022 0915
	Variable ID: N049951-02	
	(SUB)Gas Fraction Hydrocarbons	
202203290013	RUSH	03/22/2022 09:15
	RUSH	

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:** _____

SAMPLE TEMP RECEIVED AT: ASSET LABS 4.72 IR#3 **SAMPLES LOGGED IN BY:** _____

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

Monrovia °C (Compliance: 4 ± 2 °C) (check for yes)

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: _____

FedEx # 3345

TO BE COMPLETED BY SAMPLER: (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	TPH 8015 Diesel and Motor Oil	8015 Gas Travel Blank	8015 Gas	SAMPLER COMMENTS
3/24/22	0910	N049951-01	BWS2253-J1-AQ	RGW			4	2	4	Kit# 309994 Provided by EEA
		-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

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

SIGNATURE **PRINT NAME** **COMPANY/TITLE** **DATE** **TIME**

SAMPLE BY: _____ PRINT NAME: Kevin Gooding COMPANY/TITLE: INTERA Incorporated / Senior Hydrogeologist DATE: 3/24/22 TIME: 0915

RELINQUISHED BY: _____ PRINT NAME: Kevin Gooding COMPANY/TITLE: INTERA Incorporated / Senior Hydrogeologist DATE: 3/22/22 TIME: 1040

RECEIVED BY: _____ SIGNATURE: *Quilla Jones* COMPANY/TITLE: ASSET LABS DATE: 3/23/22 TIME: 0955

RELINQUISHED BY: _____

RECEIVED BY: _____

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

Laboratory Comments

Report: 994853
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 Gasoline Range Organics and TPH Carbon Chain 8015

EEA enters Subcontractor data into EEA system for archive tracking purposes. Please review Subcontract lab report for QC data and Qualifiers that are applicable to the reported data. Significant figures may vary due to system limitations. Please review Subcontractor's report in full.

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

Report: 994853
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:
03/23/2022 0955

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: 994853
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:
 03/23/2022 0955

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
<u>BWS2253-J1-AQ (202203240119)</u>						Sampled on 03/22/2022 0915			
Variable ID: N049951-01									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
03/24/22	03/24/22 10:03			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.05	1
SW 8015B - TPH 8015 Diesel and Motor Oil									
03/23/22	03/25/22 02:27			(SW 8015B)	TPH Diesel	ND	ug/L	50	1
03/23/22	03/25/22 02:27			(SW 8015B)	TPH Motor Oil	ND	ug/L	50	1
<u>BWS2253-J1-TB (202203240120)</u>						Sampled on 03/22/2022 0915			
Variable ID: N049951-02									
SW 8015B - (SUB)Gas Fraction Hydrocarbons									
03/24/22	03/24/22 10:34			(SW 8015B)	(SUB)Gas Fraction Hydrocarbons	ND	mg/L	0.05	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.

March 28, 2022

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

Workorder No.: N049951

RE: RED HILL

Attention: Debbie Frank

Enclosed are the results for sample(s) received on March 23, 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: N049951

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: N049951
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
N049951-001A	994853_202203240119_BW S2253-J1-AQ	Raw Groundwater	3/22/2022 9:15:00 AM	3/23/2022	3/28/2022
N049951-001B	994853_202203240119_BW S2253-J1-AQ	Raw Groundwater	3/22/2022 9:15:00 AM	3/23/2022	3/28/2022
N049951-002A	994853_202203240120_BW S2253-J1-TB	Bottled Water	3/22/2022 9:15:00 AM	3/23/2022	3/28/2022



ASSET Laboratories

ANALYTICAL RESULTS

Print Date: 28-Mar-22

CLIENT: Eurofins
Lab Order: N049951
Project: RED HILL
Lab ID: N049951-001

Client Sample ID: 994853_202203240119_BWS2253-J
Collection Date: 3/22/2022 9:15:00 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_220323D	QC Batch: 92039				PrepDate: 3/23/2022	Analyst: MCC
Diesel Range Organics (C10-C28)	ND	50		ug/L	1	3/25/2022 02:27 AM
Oil Range Organics (C28-C40)	ND	50		ug/L	1	3/25/2022 02:27 AM
Surr: p-Terphenyl	87.8	33-138		%REC	1	3/25/2022 02:27 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B

RunID: NV00922-GC4_220324A	QC Batch: E22VW031				PrepDate:	Analyst: QBM
GRO	ND	0.050		mg/L	1	3/24/2022 10:03 AM
Surr: Chlorobenzene - d5	103	69-130		%REC	1	3/24/2022 10:03 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	



ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

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 3151 W. Post Rd., Las Vegas, NV 89118
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ANALYTICAL RESULTS

Print Date: 28-Mar-22

CLIENT: Eurofins	Client Sample ID: 994853_202203240120_BWS2253-J
Lab Order: N049951	Collection Date: 3/22/2022 9:15:00 AM
Project: RED HILL	Matrix: BOTTLED WATER
Lab ID: N049951-002	

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

EPA 8015B

RunID: NV00922-GC4_220324A	QC Batch: E22VW031	PrepDate:	Analyst: QBM		
GRO	ND	0.050	mg/L	1	3/24/2022 10:34 AM
Surr: Chlorobenzene - d5	99.7	69-130	%REC	1	3/24/2022 10:34 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	



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ASSET Laboratories

Date: 28-Mar-22

ANALYTICAL QC SUMMARY REPORT

CLIENT: Eurofins
Work Order: N049951
Project: RED HILL

TestCode: 8015DM_W_CC

Sample ID: MB-92039	SampType: MBLK	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 3/23/2022	RunNo: 161085						
Client ID: PBW	Batch ID: 92039	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 3/25/2022	SeqNo: 4577238						
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	69.135		80.00		86.4	33	138				

Sample ID: LCS-92039	SampType: LCS	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 3/23/2022	RunNo: 161085						
Client ID: LCSW	Batch ID: 92039	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 3/25/2022	SeqNo: 4577239						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	724.532	50	1000	0	72.5	48	120				
Surr: p-Terphenyl	70.485		80.00		88.1	33	138				

Sample ID: N049951-001B-MS	SampType: MS	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 3/23/2022	RunNo: 161085						
Client ID: ZZZZZZ	Batch ID: 92039	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 3/25/2022	SeqNo: 4577241						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	713.693	50	1000	0	71.4	48	120				
Surr: p-Terphenyl	70.599		80.00		88.2	33	138				

Sample ID: N049951-001B-MSD	SampType: MSD	TestCode: 8015DM_W_C	Units: ug/L	Prep Date: 3/23/2022	RunNo: 161085						
Client ID: ZZZZZZ	Batch ID: 92039	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 3/25/2022	SeqNo: 4577242						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel Range Organics (C10-C28)	767.160	50	1000	0	76.7	48	120	713.7	7.22	20	
Surr: p-Terphenyl	71.890		80.00		89.9	33	138		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits
DO	Surrogate Diluted Out		Calculations are based on raw values

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

CLIENT: Eurofins
Work Order: N049951
Project: RED HILL

TestCode: 8015GAS_WP

Sample ID: **E220324LCS** SampType: **LCS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **161073**
 Client ID: **LCSW** Batch ID: **E22VW031** TestNo: **EPA 8015B** Analysis Date: **3/24/2022** SeqNo: **4575814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.869	0.050	1.000	0	86.9	69	143				
Surr: Chlorobenzene - d5	44.560		50.00		89.1	69	130				

Sample ID: **E220324MB1** SampType: **MBLK** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **161073**
 Client ID: **PBW** Batch ID: **E22VW031** TestNo: **EPA 8015B** Analysis Date: **3/24/2022** SeqNo: **4575815**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Chlorobenzene - d5	51.893		50.00		104	69	130				

Sample ID: **N049951-001AMS** SampType: **MS** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **161073**
 Client ID: **ZZZZZ** Batch ID: **E22VW031** TestNo: **EPA 8015B** Analysis Date: **3/24/2022** SeqNo: **4575818**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.137	0.050	1.000	0	114	49	156				
Surr: Chlorobenzene - d5	54.593		50.00		109	69	130				

Sample ID: **N049951-001AMSD** SampType: **MSD** TestCode: **8015GAS_WP** Units: **mg/L** Prep Date: RunNo: **161073**
 Client ID: **ZZZZZ** Batch ID: **E22VW031** TestNo: **EPA 8015B** Analysis Date: **3/24/2022** SeqNo: **4575819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.195	0.050	1.000	0	120	49	156	1.137	4.97	20	
Surr: Chlorobenzene - d5	53.736		50.00		107	69	130		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

Calculations are based on raw values



CALIFORNIA IP: 562.219.7435 F: 562.219.7436 NEVADA IP: 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 4.72 IR#3 **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 _____ Wet Ice _____ No Ice _____

Partially Frozen _____

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

FedEx # 3345

TO BE COMPLETED BY SAMPLER:

COMPANY/AGENCY NAME: Honolulu Board of Water Supply

PROJECT CODE: RED HILL

EEA CLIENT CODE: HONOLULU

COC ID: _____

SAMPLE GROUP: MW - INTERA Albuquerque + _____

TAT requested: rush by adv notice only: **RUSH**

STD ___ 1 wk ___ 3 day ___ X ___ 2 day ___ 1 day ___

COMPLIANCE SAMPLES **NON-COMPLIANCE SAMPLES** **REGULATION INVOLVED:** _____

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	COMMENTS
3/24/22	0910	N049951-01 -02	BWS2253-J1-AQ BWS2253-J1-TB	RGW 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
							TPH 8015 Diesel and Motor Oil 4
							8015 Gas Travel Blank 2
							8015 Gas 4
							Kit# 309994 Provided by EEA

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

SAMPLE BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	<i>[Signature]</i>	Kevin Gooding	INTERA Incorporated / Senior Hydrogeologis	3/24/22	0915
RECEIVED BY:	<i>[Signature]</i>	Kevin Gooding	INTERA Incorporated / Senior Hydrogeologis	3/22/22	1040
RELINQUISHED BY:	<i>[Signature]</i>	<i>Shirley Young</i>	ASSET LABS	3/23/22	0955
RECEIVED BY:					

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: 3/23/2022 Workorder: N049951
 Rep sample Temp (Deg C): 4.7 IR Gun ID: 3
 Temp Blank: Yes No
 Carrier name: FedEx
 Last 4 digits of Tracking No.: 3345 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 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).

For:

Checklist Completed By: GGJ YRJ 3/23/2022

Reviewed By: ABC 3/24/2022

ASSET Laboratories

WORK ORDER Summary

24-Mar-22

WorkOrder: N049951

Client ID: EUROF01

Project: RED HILL

Comments: MRL only

QC Level: RTNE

Date Received: 3/23/2022

Sample ID	Client Sample ID	Date Collected	Date Due	Matrix	Test No	Test Name	Hld	MS	Sub	Storage
N049951-001A	994853_202203240119_BWS 2022 11 AC	3/22/2022 9:15:00 AM	3/25/2022	Raw Groundwater	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N049951-001B			3/25/2022		EPA 3510C	SEPARATORY FUNNEL EXTRACTION: EXTRACTABLE FUELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
			3/25/2022		EPA 8015B(M)	TPH Carbon Chain EPA 8015	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WW
N049951-002A	994853_202203240120_BWS 2022 11 TD		3/25/2022	Bottled Water	EPA 8015B	GASOLINE RANGE ORGANICS BY GC/FID	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VW
N049951-003A	FOLDER	3/25/2022	3/25/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB
			3/25/2022		Folder	Folder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LAB

ORIGIN ID: HNLA (808) 382-8853
KEVIN GOODING
INTERA INC
74 KIHAPAI ST.

SHIP DATE: 22MAR22
ACTWGT: 32.65 LB
CAD: 6994244/SSFE2300
DIMS: 16x10x14 IN

KAILUA, HI 98734
UNITED STATES US

BILL THIRD PARTY

Part # 168297-435, RPOB, EXP 08/22
09/24/2022/ST095

ATTN MARLON CARTIN
ASSET LABORATORIES
3151 WEST POST RD.

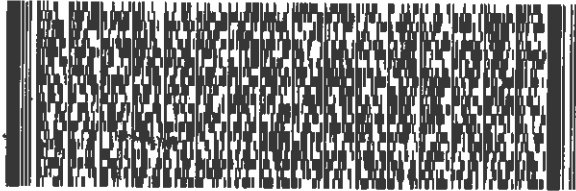
LAS VEGAS NV 89118

(702) 307-2869

REF:

SHIP
POINT

DEPT:



FedEx
Express



AN 1890102201227

TRK# 2711 6283 3345
0201

WED - 23 MAR 10:30A
PRIORITY OVERNIGHT

WR LASA

89118
NV-US LAS

