



ANALYTICAL REPORT

PREPARED FOR

Attn: Terri Choy
AECOM
1001 Bishop Street
Honolulu, Hawaii 96813
Generated 1/24/2023 1:29:29 PM

JOB DESCRIPTION

Red Hill - AFFF Assessment

JOB NUMBER

580-122151-1

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Case Narrative

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Job ID: 580-122151-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE

Client: AECOM
Project: Red Hill - AFFF Assessment
Report Number: 580-122151-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

Following DoD QSM guidelines, manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: Q-S-002. The reason(s) for manual integration have been documented on the affected chromatogram(s), which is/are provided in the raw data package. The raw data also includes the original chromatogram(s) prior to any manual integration being performed. Manual integrations are detailed in the manual integration summary forms following this narrative.

It should be noted that samples with elevated Limits of Quantitation (LOQs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the LOQs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 01/12/2023; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.5 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

GLYCOLS

Samples AF-RHMW225401-WGN01B-2301W2 (580-122151-1), AF-RHMW16-WGN01LF-2301W2 (580-122151-2), AF-RHMW10-WGN01LF-2301W2 (580-122151-3), AF-RHMW12A-WGN01LF-2301W2 (580-122151-4), AF-RHMW12A-WGFD01LF-2301W2 (580-122151-5) and AF-HDMW225303-WGN01LF-2301W2 (580-122151-6) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 01/16/2023.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
M	Manual integrated compound.
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Client Sample ID: AF-RHMW225401-WGN01B-2301W2

Lab Sample ID: 580-122151-1

Date Collected: 01/11/23 11:20

Matrix: Water

Date Received: 01/12/23 14:50

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U	5.0	1.1	mg/L			01/16/23 18:59	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Client Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Client Sample ID: AF-RHMW16-WGN01LF-2301W2

Lab Sample ID: 580-122151-2

Date Collected: 01/10/23 12:34

Matrix: Water

Date Received: 01/12/23 14:50

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M	5.0	1.1	mg/L			01/16/23 21:42	1

- 1
- 2
- 3
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- 5
- 6
- 7
- 8
- 9
- 10

Client Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Client Sample ID: AF-RHMW10-WGN01LF-2301W2

Lab Sample ID: 580-122151-3

Date Collected: 01/10/23 13:15

Matrix: Water

Date Received: 01/12/23 14:50

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U	5.0	1.1	mg/L			01/16/23 22:05	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

Client Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Client Sample ID: AF-RHMW12A-WGN01LF-2301W2

Lab Sample ID: 580-122151-4

Date Collected: 01/10/23 10:10

Matrix: Water

Date Received: 01/12/23 14:50

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M	5.0	1.1	mg/L			01/16/23 22:28	1

- 1
- 2
- 3
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- 8
- 9
- 10

Client Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Client Sample ID: AF-RHMW12A-WGFD01LF-2301W2

Lab Sample ID: 580-122151-5

Date Collected: 01/10/23 10:10

Matrix: Water

Date Received: 01/12/23 14:50

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M	5.0	1.1	mg/L			01/16/23 22:51	1

- 1
- 2
- 3
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- 7
- 8
- 9
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Client Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Client Sample ID: AF-HDMW225303-WGN01LF-2301W2

Lab Sample ID: 580-122151-6

Date Collected: 01/10/23 10:35

Matrix: Water

Date Received: 01/12/23 14:50

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M	5.0	1.1	mg/L			01/16/23 23:15	1

- 1
- 2
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- 7
- 8
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QC Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Method: 8015C GLY - Glycols- Direct Injection (GC/FID)

Lab Sample ID: MB 680-759183/10
Matrix: Water
Analysis Batch: 759183

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U	5.0	1.1	mg/L			01/16/23 15:06	1

Lab Sample ID: LCS 680-759183/6
Matrix: Water
Analysis Batch: 759183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-(2-Butoxyethoxy)ethanol	20.0	19.0		mg/L		95	50 - 150

Lab Sample ID: LCSD 680-759183/7
Matrix: Water
Analysis Batch: 759183

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-(2-Butoxyethoxy)ethanol	20.0	18.8		mg/L		94	50 - 150	1	50

Lab Sample ID: 580-122151-2 MS
Matrix: Water
Analysis Batch: 759183

Client Sample ID: AF-RHMW16-WGN01LF-2301W2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-(2-Butoxyethoxy)ethanol	3.0	U M	20.0	14.0		mg/L		70	50 - 150

Lab Sample ID: 580-122151-2 MSD
Matrix: Water
Analysis Batch: 759183

Client Sample ID: AF-RHMW16-WGN01LF-2301W2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-(2-Butoxyethoxy)ethanol	3.0	U M	20.0	16.5		mg/L		82	50 - 150	16	50

Lab Chronicle

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Client Sample ID: AF-RHMW225401-WGN01B-2301W2

Lab Sample ID: 580-122151-1

Date Collected: 01/11/23 11:20

Matrix: Water

Date Received: 01/12/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	759183	JCK	EET SAV	01/16/23 18:59

Client Sample ID: AF-RHMW16-WGN01LF-2301W2

Lab Sample ID: 580-122151-2

Date Collected: 01/10/23 12:34

Matrix: Water

Date Received: 01/12/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	759183	JCK	EET SAV	01/16/23 21:42

Client Sample ID: AF-RHMW10-WGN01LF-2301W2

Lab Sample ID: 580-122151-3

Date Collected: 01/10/23 13:15

Matrix: Water

Date Received: 01/12/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	759183	JCK	EET SAV	01/16/23 22:05

Client Sample ID: AF-RHMW12A-WGN01LF-2301W2

Lab Sample ID: 580-122151-4

Date Collected: 01/10/23 10:10

Matrix: Water

Date Received: 01/12/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	759183	JCK	EET SAV	01/16/23 22:28

Client Sample ID: AF-RHMW12A-WGFD01LF-2301W2

Lab Sample ID: 580-122151-5

Date Collected: 01/10/23 10:10

Matrix: Water

Date Received: 01/12/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	759183	JCK	EET SAV	01/16/23 22:51

Client Sample ID: AF-HDMW225303-WGN01LF-2301W2

Lab Sample ID: 580-122151-6

Date Collected: 01/10/23 10:35

Matrix: Water

Date Received: 01/12/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	759183	JCK	EET SAV	01/16/23 23:15

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Laboratory: Eurofins Savannah

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2463	09-22-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015C GLY		Water	2-(2-Butoxyethoxy)ethanol



Sample Summary

Client: AECOM
Project/Site: Red Hill - AFFF Assessment

Job ID: 580-122151-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-122151-1	AF-RHMW225401-WGN01B-2301W2	Water	01/11/23 11:20	01/12/23 14:50
580-122151-2	AF-RHMW16-WGN01LF-2301W2	Water	01/10/23 12:34	01/12/23 14:50
580-122151-3	AF-RHMW10-WGN01LF-2301W2	Water	01/10/23 13:15	01/12/23 14:50
580-122151-4	AF-RHMW12A-WGN01LF-2301W2	Water	01/10/23 10:10	01/12/23 14:50
580-122151-5	AF-RHMW12A-WGFD01LF-2301W2	Water	01/10/23 10:10	01/12/23 14:50
580-122151-6	AF-HDMW225303-WGN01LF-2301W2	Water	01/10/23 10:35	01/12/23 14:50

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Chain of Custody Record

United

Client Information		Sampler: NOAH TURNER		Lab Pkt: Elaine Walker		Carrier Tracking No(s): 2301W2AFE07		GOC No: 2301W2AFE07	
Client Contact:		Phone: (781) 366-4777		E-Mail: M.Elaine.Walker@EurofinsET.com		State of Origin: Hawaii		Page: Page 1 of 1	
Company: AECOM		PWSID:		Analysis Requested		Total Number of Containers		Job #:	
Address: 1001 Bishop St. Suite 1600		Due Date Requested: see subcontract		Perform MS/MSD (Yes or No)		Field Filtered Sample (Yes or No)		Preservation Codes:	
City: Honolulu		TAT Requested (days): Rush - ASAP		8015C_DAL_GL_DS/2-(2-butylethoxy)-ethanol		8015C_DAL_GL_DS/2-(2-butylethoxy)-ethanol		M - Hexane N - None O - AsNsO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
State, Zip: Hawaii 96813		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Matrix (Water, Organic, Inorganic, Tissue, A-B)		Preservation Code:		Other:	
Phone: 808-954-4512 / 770-331-0794		PO #:		Sample Type (C=Comp, G=grab)		Sample Date		Special Instructions/Note:	
Email: Watson Tanji (watson.tanji@aecom.com) / Mark Kromis (mark.kromis@aecom.com)		WO #:		Sample Time		Sample Date			
Project Name: CTO N6274223F0104		Project #: 60697810		1120		01/11/2023			
Site: RH5F		SSOW#:		Preservation Code:		01/11/2023			
Sample Identification		AF-RHMV225401-WGND01B-2301W2		G		W			
Possible Hazard Identification		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Date:		Date/Time:		Company:	
Deliverable Requested: I, II, III, IV, Other (specify)		4 report standard TAT, AECOM EQUIS EDD		01/11/2023 / 1440		01/11/2023 / 1440		AECOM	
Empty Kit Relinquished by:		Relinquished by: NOAH TURNER		Date/Time: 01/11/2023 / 1520		Date/Time: 01/11/2023 / 1450		Company	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.:		05 / 05					



Chain of Custody Record

Client Information Client Contact: Jakubyn Vb Phone: 408-438-0688 PWSID:		Lab PM: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsET.com		Carmer Tracking No(s): ANB 2301W2AFE06 State of Origin: Hawaii		COC No: 2301W2AFE06 Page: Page 1 of 1 Job #:	
Due Date Requested: see subcontract TAT Requested (days): Rush - ASAP		Matrix (W=water, S=solid, O=soil, B=biological, F=fiber, T=tissue, A=air)		Analysis Requested		Preservation Codes: M - Hexane N - None O - AshAO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA L - EDA Z - other (specify) Other:	
Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #:		Sample Type (C=comp, G=grab) Preservation Code:		Field Filtered Sample (Yes or No)		Total Number of Containers	
Project #: 60697810 SSOW#:		Sample Date: 01/10/23 Sample Time: 1234 Matrix: G W		Perform MS/MSD (Yes or No)		Special Instructions/Note:	
Email: Watson.Tanji@aeom.com / Mark.Kromis@aeom.com Project Name: CTO N6274223F0104 Site: RHSF		Sample Identification: AF-RHMW16-WGN01LF-2301W2		Field Filtered Sample (Yes or No)		Special Instructions/Note:	
Possible Hazard Identification: <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Empty Kit Relinquished by:		Date:		Method of Shipment:		Special Instructions/QC Requirements: DOD QSM project	
Relinquished by: Jakubyn Vb		Date/Time: 01/10/23 1330		Received by: Miranda DeGarms		Date/Time: 01/10/23 1330	
Relinquished by: Miranda DeGarms		Date/Time: 01/11/23 1230		Received by: PP		Date/Time: 01/12/23 14:50	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.5 / 0.5		Ver: 01/16/2019	



Chain of Custody Record

Client Information Client Contact: NOAH TURNER Phone: (781) 366-4777 PWSID: _____		Lab PM: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsET.com		Carrier Tracking No(s): ANB 2301W2AFE03 State of Origin: Hawaii Page: Page 1 of 1 Job #: _____	
Due Date Requested: see subcontract TAT Requested (days): Rush - ASAP			Analysis Requested		
Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: _____ WO #: _____ Project #: 60697810 SSON#: _____			Preservation Codes: M - Hexane A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ Total Number of containers: 3		
Address: 1001 Bishop St, Suite 1600 City: Honolulu State, Zip: Hawaii 96813 Phone: 808-954-4512 / 770-331-0794 Email: Watson.Tanji@aeom.com / Mark.Kromis@aeom.com Project Name: CTO N6274223F0104 Site: RHSF			Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filled Sample (Yes or No) <input checked="" type="checkbox"/> Matrix (W=water, S=solid, O=organic, BI=biomass, AW=air) _____ Sample Type (C=comp, G=grab) G Preservation Code: W Sample Date 01/10/2023 Sample Time 13:15 Sample Date 01/10/23 Sample Time 12:30		
Sample Identification AF-RHMW10-WGN01F-2301W2					
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Radiological					
Deliverable Requested: <input type="checkbox"/> I, <input type="checkbox"/> II, <input type="checkbox"/> III, <input type="checkbox"/> IV, Other (specify) _____ Empty Kit Relinquished by: _____ Date: _____ Relinquished by: NOAH TURNER Date: 01/10/2023 Time: 1450 Relinquished by: GABRIEL ALLEN Date: 01/11/23 Time: 1230 Relinquished by: _____ Date: _____ Time: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: 05/0.5					



Chain of Custody Record

Client Information Client Contact: Juliana V Phone: 408 438 8068 PWSID:		Lab PM: Elaine Walker E-Mail: Elaine.Walker@EurofinsET.com State of Origin: Hawaii Carrier Tracking No(s): AMB 2301W2AFEAO5 Page: Page 1 of 1 Job #:	
Due Date Requested: see subcontract TAT Requested (days): Rush - ASAP Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: 60697810 WO #: 60697810 Project #: CTO N6274223F0104 SSOW#:		Analysis Requested 8015C_DAL_GL_DS/2-(butoxyethoxy)-ethanol Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filled Sample (Yes or No) <input checked="" type="checkbox"/> Total Number of Containers <input checked="" type="checkbox"/>	
Address: 1001 Bishop St. Suite 1600 City: Honolulu State, Zip: Hawaii 96813 Phone: 808-954-4512 / 770-331-0794 Email: Watson.Tanji@aeacom.com / Mark.Kromis@aeacom.com Project Name: Site: RHSF		Preservation Codes: A - HCl M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - NCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:	
Sample Identification AF-RHMMW12A-WGN01LF-2301W2 AF-RHMMW12A-WGFD01LF-2301W2		Special Instructions/Note: 01/10/23 01/10/23	
Sample Date: 01/10/23 Sample Time: 1010 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, O=swastrol, I=In tissue, A=Air)		Preservation Code: W Matrix: W Matrix: W	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: DOD QSM project.	
Empty Kit Relinquished by: Juliana V Relinquished by: Miranda DeGarmo Relinquished by:		Method of Shipment: Received by: Miranda DeGarmo Date/Time: 01/10/23 1330 Company: AECOM Received by: MD Date/Time: 01/12/23 14:50 Company: Received by: Date/Time: Company:	
Custody Seals Intact: <input checked="" type="checkbox"/> Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

0.5/0.5



Chain of Custody Record

Client Information		Lab PM: Elaine Walker		COC No: 2301W2FAEA04	
Client Contact: NOAH TURNER		E-Mail: M.Elaine.Walker@EurofinsET.com		Carrier Tracking No(s): ANB	
Phone: (781) 366-4777		PWSID:		FedEx 010-8235416	
Company: AECOM		Address: 1001 Bishop St. Suite 1600		State of Origin: Hawaii	
City: Honolulu		Due Date Requested: see subcontract		Page: 1 of 1	
State, Zip: Hawaii 96813		TAT Requested (days): Rush - ASAP		Job #:	
Phone: 808-954-4512 / 770-331-0794		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Preservation Codes:	
Email: Watson.Tanji@aeacom.com / Mark.Kromis@aeacom.com		PO #:		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 R - Na2SO3 S - H2SO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice U - Acetone J - DI Water K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:	
Project Name: CTO N6274223F0104		Project #: 60697810		Total Number of containers	
Site: RHSF		SSOW#:		3	
Sample Identification		Sample Date		Special Instructions/Note:	
AF-HDMW225303-WGN01LF-2301W2		c/10/2023 1035		8015C_DAL_GL_DS/2-(2-butylethoxy)-ethanol	
Sample Type (C=Comp, G=grab)		Sample Time		Field Filtered Sample (Yes or No)	
G		1035		N	
Matrix (W=water, S=solid, O=swastool, B=biomass, A=air)		Preservation Code:		Perform MS/MSD (Yes or No)	
W		W		N	
Possible Hazard Identification		Sample Date		Field Filtered Sample (Yes or No)	
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		c/10/2023		N	
Deliverable Requested: I, II, III, IV, Other (specify)		Date		N	
4 report standard IAT, AECOM, EQUUS EDD.		10/31/2023		N	
Empty Kit Relinquished by:		Date		N	
Relinquished by: NOAH TURNER		11/10/2023		N	
Relinquished by: Miranda Defermo		11/11/2023		N	
Relinquished by: Miranda Defermo		11/12/2023		N	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	
				0-5/05	

