

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Terri Choy  
AECOM  
1001 Bishop Street  
Honolulu, Hawaii 96813  
Generated 5/30/2023 4:15:43 PM

**JOB DESCRIPTION**

Red Hill - AFFF Assessment Sampling

**JOB NUMBER**

580-127400-1

# Eurofins Seattle

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Authorized for release by  
Marie Walker, Senior Project Manager  
[M.Elaine.Walker@et.eurofinsus.com](mailto:M.Elaine.Walker@et.eurofinsus.com)  
(253)248-4972



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# Case Narrative

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

Job ID: 580-127400-1

**Job ID: 580-127400-1**

**Laboratory: Eurofins Seattle**

**Narrative**

## CASE NARRATIVE

**Client: AECOM**  
**Project: Red Hill - AFFF Assessment Sampling**  
**Report Number: 580-127400-1**

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.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs 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**

Three samples were received on 5/18/2023 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° 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-2305W3 (580-127400-1), AF-RHMW10-WGN01LF-2305W3 (580-127400-2) and AF-HDMW225303-WGN01LF-2305W3 (580-127400-3) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI.** The samples were analyzed on 05/26/2023.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-780505 recovered outside control limits for the following analyte: 2-(2-Butoxyethoxy)ethanol.

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

# Definitions/Glossary

Client: AECOM

Job ID: 580-127400-1

Project/Site: Red Hill - AFFF Assessment Sampling

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
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

Job ID: 580-127400-1

Project/Site: Red Hill - AFFF Assessment Sampling

**Client Sample ID: AF-RHMW225401-WGN01B-2305W3**

**Lab Sample ID: 580-127400-1**

**Date Collected: 05/16/23 10:20**

**Matrix: Water**

**Date Received: 05/18/23 10:15**

**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 Q	5.0	1.1	mg/L			05/26/23 03:35	1

# Client Sample Results

Client: AECOM

Job ID: 580-127400-1

Project/Site: Red Hill - AFFF Assessment Sampling

**Client Sample ID: AF-RHMW10-WGN01LF-2305W3**

**Lab Sample ID: 580-127400-2**

Date Collected: 05/16/23 12:25

Matrix: Water

Date Received: 05/18/23 10:15

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	1.6	J Q	5.0	1.1	mg/L			05/26/23 03:59	1

# Client Sample Results

Client: AECOM

Job ID: 580-127400-1

Project/Site: Red Hill - AFFF Assessment Sampling

**Client Sample ID: AF-HDMW225303-WGN01LF-2305W3**

**Lab Sample ID: 580-127400-3**

Date Collected: 05/16/23 10:50

Matrix: Water

Date Received: 05/18/23 10:15

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	1.3	J Q	5.0	1.1	mg/L			05/26/23 04:22	1



# QC Sample Results

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

Job ID: 580-127400-1

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

**Lab Sample ID: MB 680-780505/16**  
**Matrix: Water**  
**Analysis Batch: 780505**

**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			05/26/23 01:16	1

**Lab Sample ID: LCS 680-780505/12**  
**Matrix: Water**  
**Analysis Batch: 780505**

**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	50.0	39.0	Q	mg/L		78	50 - 150

**Lab Sample ID: LCSD 680-780505/13**  
**Matrix: Water**  
**Analysis Batch: 780505**

**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	20.6	M Q	mg/L		103	50 - 150	62	50

**Lab Sample ID: 580-127400-1 MS**  
**Matrix: Water**  
**Analysis Batch: 780505**

**Client Sample ID: AF-RHMW225401-WGN01B-2305W3**  
**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 Q	20.0	18.8		mg/L		94	50 - 150

**Lab Sample ID: 580-127400-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 780505**

**Client Sample ID: AF-RHMW225401-WGN01B-2305W3**  
**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 Q	20.0	19.1		mg/L		95	50 - 150	2	50

# Lab Chronicle

Client: AECOM

Job ID: 580-127400-1

Project/Site: Red Hill - AFFF Assessment Sampling

**Client Sample ID: AF-RHMW225401-WGN01B-2305W3**

**Lab Sample ID: 580-127400-1**

**Date Collected: 05/16/23 10:20**

**Matrix: Water**

**Date Received: 05/18/23 10:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	780505	GEM	EET SAV	05/26/23 03:35

**Client Sample ID: AF-RHMW10-WGN01LF-2305W3**

**Lab Sample ID: 580-127400-2**

**Date Collected: 05/16/23 12:25**

**Matrix: Water**

**Date Received: 05/18/23 10:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	780505	GEM	EET SAV	05/26/23 03:59

**Client Sample ID: AF-HDMW225303-WGN01LF-2305W3**

**Lab Sample ID: 580-127400-3**

**Date Collected: 05/16/23 10:50**

**Matrix: Water**

**Date Received: 05/18/23 10:15**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	780505	GEM	EET SAV	05/26/23 04:22

**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 Sampling

Job ID: 580-127400-1

## 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

Job ID: 580-127400-1

Project/Site: Red Hill - AFFF Assessment Sampling

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-127400-1	AF-RHMW225401-WGN01B-2305W3	Water	05/16/23 10:20	05/18/23 10:15
580-127400-2	AF-RHMW10-WGN01LF-2305W3	Water	05/16/23 12:25	05/18/23 10:15
580-127400-3	AF-HDMW225303-WGN01LF-2305W3	Water	05/16/23 10:50	05/18/23 10:15

1

2

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10

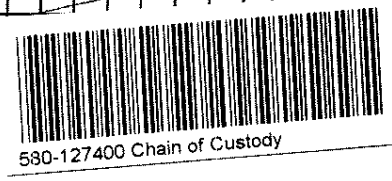
11

**Eurofins FGS, Seattle**  
 5755 8th Street East  
 Tacoma, WA 98424

### Chain of Custody Record

**eurofins** Environment Testing  
 America

<b>Client Information</b>		Sampler: <i>Matt Yin</i>	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 2305W3AFEA07								
Client Contact:		Phone: <i>908-348-4338</i>	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1								
Company: AECOM		PWSID:	<b>Analysis Requested</b>		Job #:								
Address: 1001 Bishop St. Suite 1600		Due Date Requested: see subcontract	<table border="1"> <tr> <td rowspan="4">Field Filtered Sample (Yes or No)</td> <td rowspan="4">Matrix (W=water, S=solid, O=soil/sediment, T=trace, A=Air)</td> <td rowspan="4">BDSC_DAI_GL_DS/2-(2-butoxyethoxy)-ethanol</td> <td rowspan="4"> <div style="text-align: center; font-size: 2em; font-weight: bold;"> <i>MY 5/16/23</i> </div> </td> <td rowspan="4">Total Number of Containers</td> </tr> <tr> <td>TAT Requested (days): <b>Rush - 5 Day</b></td> </tr> <tr> <td>Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td>PO #:</td> </tr> </table>		Field Filtered Sample (Yes or No)	Matrix (W=water, S=solid, O=soil/sediment, T=trace, A=Air)	BDSC_DAI_GL_DS/2-(2-butoxyethoxy)-ethanol	<div style="text-align: center; font-size: 2em; font-weight: bold;"> <i>MY 5/16/23</i> </div>	Total Number of Containers	TAT Requested (days): <b>Rush - 5 Day</b>	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	PO #:	<b>Preservation Codes:</b> A - HCL                      M - Hexane B - NaOH                    N - None C - Zn Acetate              O - AsH <sub>2</sub> O <sub>2</sub> D - Nitric Acid              P - Na <sub>2</sub> O <sub>4</sub> S E - NaHSO <sub>4</sub> Q - Na <sub>2</sub> SO <sub>3</sub> F - MeOH                    R - Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> G - Amchlor                S - H <sub>2</sub> SO <sub>4</sub> H - Ascorbic Acid         T - TSP Dodecahydrate I - Ice                         U - Acetone J - DI Water                V - MCAA K - EDTA                    W - pH 4-5 L - EDA                      Z - other (specify) Other:
Field Filtered Sample (Yes or No)	Matrix (W=water, S=solid, O=soil/sediment, T=trace, A=Air)	BDSC_DAI_GL_DS/2-(2-butoxyethoxy)-ethanol								<div style="text-align: center; font-size: 2em; font-weight: bold;"> <i>MY 5/16/23</i> </div>	Total Number of Containers		
												TAT Requested (days): <b>Rush - 5 Day</b>	
												Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			PO #:										
City: Honolulu	TAT Requested (days): <b>Rush - 5 Day</b>												
State, Zip: Hawaii 96813	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No												
Phone: 808-954-4512 / 770-331-0794	PO #:												
Email: Watson Tanji (watson.tanji@aecom.com) / Mark Kromis (mark.kromis@aecom.com)	WO #:												
Project Name: CTO N6274223F0104	Project #: 60697810												
Site: RHSP	SSOW#:												
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Matrix	BDSC_DAI_GL_DS/2-(2-butoxyethoxy)-ethanol	Total Number of Containers	Special Instructions/Note:			
AF-RHMW225401-WGN01B-2305W3		<i>5/16/23</i>	<i>1020</i>	G	W	N	N	X	3				
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
<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		<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months											
Deliverable Requested: I, II, III, IV, Other (specify)		Prelim data (Level 1 or 2) = see TAT above. DoD Stage 4 report standard TAT. AECOM FQIS FDD.			Special Instructions/QC Requirements: DOD QSM project.								
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:									
Relinquished by: <i>Matt Yin</i>		Date/Time: <i>5/16/23 1245</i>	Company: AECOM	Received by: <i>Alex Edwards</i>		Date/Time: <i>5/16/23 1245</i>	Company: AECOM						
Relinquished by: <i>Alex Edwards</i>		Date/Time: <i>5/16/23 1349</i>	Company: AECOM	Received by: <i>[Signature]</i>		Date/Time: <i>5/18/23</i>	Company: 1015						
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <i>2.6/2.4</i>								



### Chain of Custody Record

<b>Client Information</b>		Sampler: RYAN CHINMATO	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 2305W3AFEAO3								
Client Contact:		Phone: 808-393-6607	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1								
Company: AECOM		PWSID:	<b>Analysis Requested</b>										
Address: 1001 Bishop St, Suite 1600		Due Date Requested: see subcontract	Analysis Requested Table: Columns: Analysis Requested (Yes/No) Rows: Field Filtered Sample (Yes/No), Perform MS/MS (Yes/No), BR15C, DAL, GL, D5/2-(2-butoxyethoxy)-ethanol Handwritten: "all 5/16/23"										
City: Honolulu		TAT Requested (days): Rush - 5 Day											
State, Zip: Hawaii 96813		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Phone: 808-954-4512 / 770-331-0794		PO #:											
Email: Watson Tanji (watson.tanji@aecom.com) / Mark Kromis (mark.kromis@aecom.com)		WO #:											
Project Name: CTO N6274223F0104		Project #: 60697810											
Site: RHSF		SSOW#:	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 - MCAA K - EDTA                    W - pH 4-5 L - EDA                      Z - other (specify) Other:										
Job #:		Job #:											
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes/No)	Perform MS/MS (Yes/No)	BR15C	DAL	GL	D5/2-(2-butoxyethoxy)-ethanol	Total Number of Containers	Special Instructions/Note:
AF-RHMMW10-WGN01LF-2305W3		5/16/23	1125	G	W	N	N	X				3	
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		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											
Deliverable Requested: I, II, III, IV, Other (specify)		Prelim data (Level 1 or 2)=see TAT above. DoD Stage 4 report standard TAT - AECOM EQS EDD				Special Instructions/QC Requirements: DOD QSM project.							
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:									
Relinquished by: <i>Alan Plank</i>		Date/Time: 5/16/23 1325	Company: AECOM	Received by: <i>Alex Edwards</i>		Date/Time: 5/16/23 1325	Company: AECOM						
Relinquished by: <i>Alex Edwards</i>		Date/Time: 5/16/23 1349	Company: AECOM	Received by: <i>[Signature]</i>		Date/Time: 5/18/23	Company: <i>[Signature]</i>						
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: 2.6/24							

**Chain of Custody Record**

<b>Client Information</b>		Sampler: <u>Nate Hogsten</u>	Lab PM: <u>Elaine Walker</u>	Carrier Tracking No(s): <u>FedEx</u>	COC No: <u>2305W3AFEAO4</u>																																																																											
Client Contact:		Phone: <u>804-853-0525</u>	E-Mail: <u>M.Elaine.Walker@EurofinsET.com</u>	State of Origin: <u>Hawaii</u>	Page: <u>Page 1 of 1</u>																																																																											
Company: <u>AECOM</u>		<b>Analysis Requested</b>			Job #:																																																																											
Address: <u>1001 Bishop St. Suite 1600</u>		<table border="1"> <tr> <td rowspan="6" style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td rowspan="6" style="writing-mode: vertical-rl; transform: rotate(180deg);">Performs MS/MS? (Yes or No)</td> <td rowspan="6" style="writing-mode: vertical-rl; transform: rotate(180deg);">8015C_DAL_GL_DS/2-(2-butoxyethoxy)-ethanol</td> <td colspan="12">[Large handwritten scribble]</td> </tr> <tr><td colspan="12">[Large handwritten scribble]</td></tr> <tr><td colspan="12">[Large handwritten scribble]</td></tr> <tr><td colspan="12">[Large handwritten scribble]</td></tr> <tr><td colspan="12">[Large handwritten scribble]</td></tr> <tr><td colspan="12">[Large handwritten scribble]</td></tr> </table>			Field Filtered Sample (Yes or No)	Performs MS/MS? (Yes or No)	8015C_DAL_GL_DS/2-(2-butoxyethoxy)-ethanol	[Large handwritten scribble]												[Large handwritten scribble]												[Large handwritten scribble]												[Large handwritten scribble]												[Large handwritten scribble]												[Large handwritten scribble]												<b>Preservation Codes:</b> 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 - MCAA K - EDTA                W - pH 4-6 L - EDA                  Z - other (specify) Other:
Field Filtered Sample (Yes or No)	Performs MS/MS? (Yes or No)							8015C_DAL_GL_DS/2-(2-butoxyethoxy)-ethanol	[Large handwritten scribble]																																																																							
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Due Date Requested: <u>see subcontract</u>																																																																																
City: <u>Honolulu</u>		TAT Requested (days): <u>Rush - 5 Day</u>																																																																														
State, Zip: <u>Hawaii 96813</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																																																																														
Phone: <u>808-954-4512 / 770-331-0794</u>		PO #:																																																																														
Email: <u>Watson Tanji (watson.tanji@aecom.com) / Mark Kromis (mark.kromis@aecom.com)</u>		WVO #:																																																																														
Project Name: <u>CTO N6274223F0104</u>		Project #:																																																																														
Site: <u>RHSF</u>		SSOW#:																																																																														
<b>Sample Identification</b>		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=Water, S=Soil, O=Organic, BT=Trace, An=Air)	Field Filtered Sample (Yes or No)	Performs MS/MS? (Yes or No)	[Large handwritten scribble]												Total Number of Containers	Special Instructions/Note:																																																											
AF-HDMW225303-WGNO1LF-2305W3		5/16/23	1050	G	W	N	N	X	[Large handwritten scribble]												3																																																											
<b>Possible Hazard Identification</b>		<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										<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>																																																																				
Deliverable Requested: I, II, III, IV, Other (specify)		Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EO/IS EDD.						Special Instructions/QC Requirements: DOD QSM project.																																																																								
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:																																																																												
Relinquished by: <u>[Signature]</u>		Date/Time: <u>5/16/23 1335</u>	Company: <u>AECOM</u>	Received by: <u>Alex Edwards</u>						Date/Time: <u>5/16/23 1335</u>	Company: <u>AECOM</u>																																																																					
Relinquished by: <u>Alex Edwards</u>		Date/Time: <u>5/16/23 1349</u>	Company: <u>AECOM</u>	Received by: <u>[Signature]</u>						Date/Time: <u>5/16/23</u>	Company: <u>1016</u>																																																																					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:						Cooler Temperature(s) °C and Other Remarks: <u>2-6/7-9</u>																																																																								



# Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-127400-1

**Login Number: 127400**

**List Number: 2**

**Creator: Johnson, Corey M**

**List Source: Eurofins Savannah**

**List Creation: 05/22/23 11:27 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	