



ANALYTICAL REPORT

PREPARED FOR

Attn: Terri Choy
AECOM
1001 Bishop Street
Honolulu, Hawaii 96813
Generated 2/7/2023 5:36:50 PM

JOB DESCRIPTION

RH AFFF Assessment Sampling CTO N6274223F0104

JOB NUMBER

580-122820-1

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



Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	11
Chronicle	12
Certification Summary	13
Sample Summary	14
Chain of Custody	15
Receipt Checklists	19

Case Narrative

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO N6274223F010

Job ID: 580-122820-1

Job ID: 580-122820-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE

Client: AECOM

Project: RH AFFF Assessment Sampling CTO N6274223F0104

Report Number: 580-122820-1

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

Five samples were received on 1/30/2023 9:00 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-RHMW12A-WGN01LF-2301W4 (580-122820-1), AF-RHMW12A-WGFD01LF-2301W4 (580-122820-2), AF-HDMW225303-WGN01LF-2301W4 (580-122820-3), AF-RHMW16-WGN01LF-2301W4 (580-122820-4) and AF-RHMW10-WGN01LF-2301W4 (580-122820-5) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 02/06/2023.

The continuing calibration verification (CCV) associated with batch 680-762138 recovered above the upper control limit for 2-(2-Butoxyethoxy)ethanol. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data has been reported. The associated sample is impacted: (CCV 680-762138/23).

2-(2-Butoxyethoxy)ethanol exceeded the RPD limit for the MSD of sample AF-RHMW12A-WGN01LF-2301W4MSD (580-122820-1) in batch 680-762138. The MS and MSD recoveries and the associated LCS/LCSD were in control.

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

Definitions/Glossary

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J1	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
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
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

Client Sample ID: AF-RHMW12A-WGN01LF-2301W4

Lab Sample ID: 580-122820-1

Date Collected: 01/25/23 10:00

Matrix: Water

Date Received: 01/30/23 09:00

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 J1	5.0	1.1	mg/L			02/06/23 17:20	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Client Sample Results

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

Client Sample ID: AF-RHMW12A-WGFD01LF-2301W4

Lab Sample ID: 580-122820-2

Date Collected: 01/25/23 10:00

Matrix: Water

Date Received: 01/30/23 09:00

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			02/06/23 18:30	1

Client Sample Results

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

Client Sample ID: AF-HDMW225303-WGN01LF-2301W4

Lab Sample ID: 580-122820-3

Date Collected: 01/24/23 10:20

Matrix: Water

Date Received: 01/30/23 09:00

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			02/06/23 18:53	1

Client Sample Results

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

Client Sample ID: AF-RHMW16-WGN01LF-2301W4

Lab Sample ID: 580-122820-4

Date Collected: 01/25/23 12:45

Matrix: Water

Date Received: 01/30/23 09:00

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			02/06/23 19:16	1

Client Sample Results

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

Client Sample ID: AF-RHMW10-WGN01LF-2301W4

Lab Sample ID: 580-122820-5

Date Collected: 01/24/23 12:30

Matrix: Water

Date Received: 01/30/23 09:00

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 Q	5.0	1.1	mg/L			02/06/23 19:39	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

QC Sample Results

Client: AECOM
 Project/Site: RH AFFF Assessment Sampling CTO
 N6274223F0104

Job ID: 580-122820-1

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

Lab Sample ID: MB 680-762138/10
Matrix: Water
Analysis Batch: 762138

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 M	5.0	1.1	mg/L			02/06/23 16:57	1

Lab Sample ID: LCS 680-762138/1006
Matrix: Water
Analysis Batch: 762138

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	18.5		mg/L		92	50 - 150

Lab Sample ID: LCSD 680-762138/7
Matrix: Water
Analysis Batch: 762138

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	22.2		mg/L		111	50 - 150	18	50

Lab Sample ID: 580-122820-1 MS
Matrix: Water
Analysis Batch: 762138

Client Sample ID: AF-RHMW12A-WGN01LF-2301W4
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 J1	20.0	29.3		mg/L		147	50 - 150

Lab Sample ID: 580-122820-1 MSD
Matrix: Water
Analysis Batch: 762138

Client Sample ID: AF-RHMW12A-WGN01LF-2301W4
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 J1	20.0	16.3	J1	mg/L		81	50 - 150	57	50

Lab Chronicle

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

Client Sample ID: AF-RHMW12A-WGN01LF-2301W4

Lab Sample ID: 580-122820-1

Date Collected: 01/25/23 10:00

Matrix: Water

Date Received: 01/30/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	762138	JCK	EET SAV	02/06/23 17:20

Client Sample ID: AF-RHMW12A-WGFD01LF-2301W4

Lab Sample ID: 580-122820-2

Date Collected: 01/25/23 10:00

Matrix: Water

Date Received: 01/30/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	762138	JCK	EET SAV	02/06/23 18:30

Client Sample ID: AF-HDMW225303-WGN01LF-2301W4

Lab Sample ID: 580-122820-3

Date Collected: 01/24/23 10:20

Matrix: Water

Date Received: 01/30/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	762138	JCK	EET SAV	02/06/23 18:53

Client Sample ID: AF-RHMW16-WGN01LF-2301W4

Lab Sample ID: 580-122820-4

Date Collected: 01/25/23 12:45

Matrix: Water

Date Received: 01/30/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	762138	JCK	EET SAV	02/06/23 19:16

Client Sample ID: AF-RHMW10-WGN01LF-2301W4

Lab Sample ID: 580-122820-5

Date Collected: 01/24/23 12:30

Matrix: Water

Date Received: 01/30/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	762138	JCK	EET SAV	02/06/23 19:39

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

Job ID: 580-122820-1

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

- 1
- 2
- 3
- 4
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- 7
- 8
- 9
- 10
- 11

Sample Summary

Client: AECOM
Project/Site: RH AFFF Assessment Sampling CTO
N6274223F0104

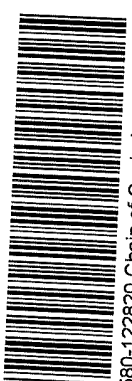
Job ID: 580-122820-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-122820-1	AF-RHMW12A-WGN01LF-2301W4	Water	01/25/23 10:00	01/30/23 09:00
580-122820-2	AF-RHMW12A-WGFD01LF-2301W4	Water	01/25/23 10:00	01/30/23 09:00
580-122820-3	AF-HDMW225303-WGN01LF-2301W4	Water	01/24/23 10:20	01/30/23 09:00
580-122820-4	AF-RHMW16-WGN01LF-2301W4	Water	01/25/23 12:45	01/30/23 09:00
580-122820-5	AF-RHMW10-WGN01LF-2301W4	Water	01/24/23 12:30	01/30/23 09:00

- 1
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- 10
- 11

Chain of Custody Record

Client Information		Sampler: NAJAH TURNER		Lab PI: Elaine Walker		Carrier Tracking No(s): A-235		COC No: 2301W4FEA05	
Client Contact:		Phone: (781) 300-4777		E-Mail: M.Elaine.Walker@EurofinsET.com		State of Origin: Hawaii		Page: Page 1 of 1	
Company: AECOM		PWSID:		E-Mail: M.Elaine.Walker@EurofinsET.com		Job #:		Preservation Codes:	
Address: 1001 Bishop St. Suite 1600		Due Date Requested: See subcontract		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Preservation Codes:	
City: Honolulu		TAT Requested (days): Rush - ASAP		<input checked="" type="checkbox"/> A		<input checked="" type="checkbox"/> X		M - Hexane	
State/Zip: Hawaii 96813		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> N		<input checked="" type="checkbox"/> N		A - HCL	
Phone: 808-954-4512 / 770-331-0794		PO #:		<input checked="" type="checkbox"/> X		<input checked="" type="checkbox"/> X		B - NaOH	
Email: Watson.Tanji@aeom.com / Mark.Kromis@aeom.com		WG #:		<input checked="" type="checkbox"/> N		<input checked="" type="checkbox"/> N		C - Zn Acetate	
Project Name: CTO N6274223F0104		Project #: 60697810		<input checked="" type="checkbox"/> N		<input checked="" type="checkbox"/> N		D - Nitric Acid	
Site: RHSF		SSOW#:		<input checked="" type="checkbox"/> N		<input checked="" type="checkbox"/> N		E - NaHSO4	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		F - MeOH	
AF-RHMW12A-WGND1LF-2301W4		01/25/2023		1000		G		G - Amchlor	
AF-RHMW12A-WGFD01LF-2301W4		↓		1000		G		H - Ascorbic Acid	
								I - Ice	
								J - DI Water	
								K - EDTA	
								L - EDA	
								Other:	
								T - TSP Dodecahydrate	
								U - Acetone	
								V - MCAA	
								W - pH 4.5	
								Z - other (specify)	
								Special Instructions/Note:	
								Total Number of containers: 3	
								3	
								3	



580-122820 Chain of Custody

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested I II III IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: DOD QSM project.
 4 report standard TAT - AECOM EQUIS EDD

Empty Kit Relinquished by: NAJAH TURNER		Date: 01/25/2023		Time: 1700	
Relinquished by: NAJAH TURNER		Date/Time: 01/25/2023 1700		Method of Shipment: AECOM	
Relinquished by: NAJAH TURNER		Date/Time: 01/25/2023 0900		Company: AECOM	
Relinquished by: NAJAH TURNER		Date/Time: 01/25/2023 0900		Company: AECOM	

Cooler Temperature(s): 2.6/2.6 Ver: 01/16/2019



Chain of Custody Record

Client Information Company: AECOM Address: 1001 Bishop St. Suite 1600 City: Honolulu State/zip: Hawaii 96813 Phone: 808-954-4512 / 770-331-0794 Email: Watson.Tanji@aecom.com / Mark.Kromis@aecom.com Project Name: CTO N6274223F0104 Site: RHSF		Lab PM: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsET.com PWSID:	
Sampler: NOAH TURNER Phone: (781) 366-4777		Carrier Tracking No(s): A-NV3 State of Origin: Hawaii	
Due Date Requested: see subcontract TAT Requested (days): Rush - ASAP Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: WO #: Project #: 60697810 SSOW#:		COC No: 2301W4AFEA04 Page: Page 1 of 1 Job #:	
Analysis Requested			
Perform MS/MSD (Yes or No)		Field Filtered Sample (Yes or No)	
8015C_DAL_GL_D5/2-(2-butylethoxy)-ethanol		A X	
Matrix (W=Water, S=Solid, O=Wastewater, BT=Tissue, A=Air)		Preservation Code: W	
Sample Date: 01/24/2023	Sample Time: 1020	Sample Type (C=Comp, G=grab)	G
AF-HDMW225303-WGN01F-2301W4			
Total Number of containers: 3			
Special Instructions/Note:			
Preservation Codes: 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:			
M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
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 I II III IV Other (specify)			
Empty Kit Relinquished by:			
Relinquished by: NOAH TURNER Relinquished by: JAMES MASON Relinquished by:		Date/Time: 01/24/2023 / 1345 Date/Time: 01/26/23 / 1000 JMM585 Date/Time:	
Relinquished by:		Date/Time: 01/24/2023 / 1345 Date/Time: 01/30/23 / 0900 Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 2.6/2.6	
Relinquished by:		Received by: James Mason Received by: JMM Received by:	
Company: AECOM		Company: AECOM	
Company: AECOM		Company: AECOM	
Company: AECOM		Company: AECOM	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: DOD QSM project.			
Prelim data (Level 1 or 2) - see TAT above DOD Stage 4 report standard TAT - AECOM EQUUS EDD.			
Date:			
Method of Shipment:			



Chain of Custody Record

Client Information		Sampler: <u>Pat Yim</u>		Lab P#: <u>Elaine Walker</u>		Carrier Tracking No(s): <u>AWB 2301W4FEA06</u>	
Client Contact:		Phone: <u>808-349-4738</u>		E-Mail: <u>M.Elaine.Walker@EurofinsET.com</u>		State of Origin: <u>Hawaii</u>	
Company: <u>AECOM</u>		Address: <u>1001 Bishop St. Suite 1600</u>		City: <u>Honolulu</u>		Page: <u>1 of 1</u>	
State Zip: <u>Hawaii 96813</u>		Due Date Requested: <u>see subcontract</u>		TAT Requested (days): <u>Rush - ASAP</u>		Job #:	
Phone: <u>808-954-4512 / 770-331-0794</u>		Compliance Project: <u>Δ Yes Δ No</u>		PO #:		Preservation Codes:	
E-Mail: <u>Watson.Tanji@aecom.com / Mark.Kromis@aecom.com</u>		WO #:		Project #:		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:	
Project Name: <u>CTO N6274223F0104</u>		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		M - None N - None O - AsNaO2 P - Na2SO4 Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Site: <u>RHSF</u>		Sample Type: <u>G</u>		Matrix: <u>W=water, S=solid, O=wastewater, BT=Tissue, A=Air</u>		Total Number of containers: <u>3</u>	
Special Instructions/Note: <u>AF-RHMW16-WGN01LF-2301W4</u>		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	
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		Field Filtered Sample (Yes or No): <u>X</u>		Perform MS/MSD (Yes or No): <u>X</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	
Deliverable Requested: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other (specify)		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	
Empty Kit Relinquished by: <u>Pat Yim</u>		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	
Relinquished by: <u>Pat Yim</u>		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	
Relinquished by: <u>Pat Yim</u>		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	
Custody Seals Intact: <u>Δ Yes Δ No</u>		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	
Custody Seal No. <u>26/26</u>		Sample Date: <u>1/25/23</u>		Sample Time: <u>1245</u>		Special Instructions/Note: <u>AWB JMM 010 80553706</u>	



Chain of Custody Record

Client Information Client Contact: NEAH TURNER Phone: (781) 366-4777 PWSID		Lab PM: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsET.com		Carner Tracking No(s): AN13 State of Origin: Hawaii		COC No: 2301W4FEA03 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 #:		W/O #:	
Project #: 60687810		Project Name: Watson Tanji (watson.tanji@aecom.com) / Mark Kromis (mark.kromis@aecom.com)		Project #: 60687810		SSOV#:	
Site: RHSF		Sample Date: 01/24/2023 1230		Sample Time: 1230		Sample Type: G	
Sample Identification: AF-RHMW10-WGND1LF-2301W4		Matrix: Water		Matrix: Water		Matrix: Water	
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		Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		8015C_DAL_GL_DSf 2-(2-butylhexyloxy)-ethanol	
Deliverable Requested: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> Other (specify)		Prelim data (Level 1or2)-see TAT above. DoD Stage 4 , report standard TAT. AECOMEQUS EDD.		Special Instructions/QC Requirements: DOD QSM project.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by:		Date:		Date:		Date:	
Relinquished by: NEAH TURNER		Date/Time: 01/24/2023 1345		Date/Time: 01/26/23 1555		Date/Time: 01/26/23 0900	
Relinquished by: James Mason		Date/Time: 01/26/23 1555		Date/Time: 01/26/23 0900		Date/Time: 01/26/23 0900	
Relinquished by:		Date/Time:		Date/Time:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 2.6/2.6		Ver: 01/16/2019	



Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-122820-1

Login Number: 122820

List Number: 2

Creator: Johnson, Corey M

List Source: Eurofins Savannah

List Creation: 01/30/23 03:56 PM

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?	N/A	
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	