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PREPARED FOR

Attn: Terri Choy AECOM 1001 Bishop Street Honolulu, Hawaii 96813

Generated 2/23/2023 11:07:09 AM

JOB DESCRIPTION

Red Hill - AFFF Assessment Sampling

ANALYTICAL REPORT

JOB NUMBER

580-123620-1

Eurofins Seattle 5755 8th Street East Tacoma WA 98424



Eurofins Seattle

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

M. Elaine Walker

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

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Client: AECOM

Project/Site: Red Hill - AFFF Assessment Sampling

Laboratory Job ID: 580-123620-1

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Case Narrative

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-123620-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE Client: AECOM

Project: Red Hill - AFFF Assessment Sampling

Report Number: 580-123620-1

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

The samples were received on 02/15/2023; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.1 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-RHMW06-WGN01LF-2302W2 (580-123620-1) and AF-RHMW04-WGN01LF-2302W2 (580-123620-2) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 02/20/2023 and 02/21/2023.

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

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Definitions/Glossary

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

Qualifiers

GC Semi VOA

 Qualifier
 Qualifier Description

 M
 Manual integrated compound.

 U
 Undetected at the Limit of Detection.

Glossary

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Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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
POL Present Operation | Operation |

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

Eurofins Seattle

2/23/2023

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Client Sample Results

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW06-WGN01LF-2302W2 Lab Sample ID: 580-123620-1

Date Collected: 02/13/23 12:00 Matrix: Water

Date Received: 02/15/23 11:00

ı	Method: SW846 8015C	GLY - Glv	cols- Direct In	iection (GC/FID)
	mothod: Office	O O.,		

Analyte	Result	Qualifier	LOQ	DL Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	П	5.0	1.1 mg/l			02/20/23 23:49	1

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Client Sample Results

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW04-WGN01LF-2302W2 Lab Sample ID: 580-123620-2

Date Collected: 02/13/23 10:30 Matrix: Water

Date Received: 02/15/23 11:00

Method: SW846 8015C GLY - 0	Slycols- Dir	ect Injection	on (GC/FID)						
Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	UM	5.0	1.1	mg/L			02/21/23 00:58	1

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QC Sample Results

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

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

Lab Sample ID: MB 680-764187/14 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 764187

MB MB Result Qualifier LOQ DL Unit Analyzed Dil Fac Analyte Prepared 5.0 1.1 mg/L 02/20/23 23:25 2-(2-Butoxyethoxy)ethanol 3.0 U M

Lab Sample ID: LCS 680-764187/10 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 764187

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Unit 20.0 50 - 150 2-(2-Butoxyethoxy)ethanol 23.6 mg/L 118

Lab Sample ID: LCSD 680-764187/11 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 764187

Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Analyte Unit %Rec Limit 2-(2-Butoxyethoxy)ethanol 20.0 24.5 122 50 - 150 mg/L

Lab Sample ID: 580-123620-1 MS Client Sample ID: AF-RHMW06-WGN01LF-2302W2 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 764187

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 2-(2-Butoxyethoxy)ethanol 3.0 U 20.0 24.4 mg/L 122 50 - 150

Lab Sample ID: 580-123620-1 MSD Client Sample ID: AF-RHMW06-WGN01LF-2302W2 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 764187

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec Limit 50 - 150 2-(2-Butoxyethoxy)ethanol 3.0 U 20.0 25.4 127 mg/L 50

2/23/2023

Lab Chronicle

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW06-WGN01LF-2302W2 Lab Sample ID: 580-123620-1

Date Collected: 02/13/23 12:00 Matrix: Water

Date Received: 02/15/23 11:00

Batch Batch Dilution Batch Prepared Method Number Analyst or Analyzed **Prep Type** Type Run **Factor** Lab 02/20/23 23:49 Total/NA Analysis 8015C GLY 764187 JCK **EET SAV**

Client Sample ID: AF-RHMW04-WGN01LF-2302W2 Lab Sample ID: 580-123620-2

Date Collected: 02/13/23 10:30 Matrix: Water

Date Received: 02/15/23 11:00

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run Factor **Number Analyst** Lab or Analyzed 02/21/23 00:58 Total/NA Analysis 8015C GLY 764187 JCK EET SAV

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

Laboratory: Eurofins Savannah

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

Authority ANAB		rogram ept. of Defense ELAP	L2463	Expiration Date 09-22-24
The following analyte the agency does not	•	ort, but the laboratory is not	certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015C GLY		Water	2-(2-Butoxyethoxy)ethanol	

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Sample Summary

Client: AECOM Job ID: 580-123620-1

Project/Site: Red Hill - AFFF Assessment Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-123620-1	AF-RHMW06-WGN01LF-2302W2	Water	02/13/23 12:00	02/15/23 11:00
580-123620-2	AF-RHMW04-WGN01LF-2302W2	Water	02/13/23 10:30	02/15/23 11:00

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Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424	Chain of Custody Record	ustody Re	cord		💸 eurofins Environn America	Environment Testing America
Client Information	Sampler. NOAH TURNER	Lab PM Elaine	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 2302W2AFEA09	
Client Contact:	Phone: 71 - 366 - 477	7 E-Mail: M.Elai	ne.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1	
Gompany: AECOM	PWSID:		Analysis Requested	equested	Job #:	
hop St. Suite 1600	Due Date Requested: see subcontract				Š	a)
City: Honolulu	TAT Requested (days): Rush - ASAP		lo		B - NaOH N - None	N - None O - AsNaO2
State, Zip: Hawaii 96813	Compliance Project: A Yes A No		nsdie	\		ນ ສ ເ
Phone: 808-954-4512 / 770-331-0794	PO#:	ION			.02	odecahvdrate
Email: Watson Tanji (watson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com)	WO#.		toxyet	2	I - Ice J - DI Water	
Project Name: CTO N6274223F0104	Project #. 60697810	V) ald	Kez o		K - EDTA W - pH 4-5 L - EDA Z - other (specify)	pecify)
Site: RHSF	:SSOW#:	wes	(sa ⁻		Other:	
	Sample Type	ile Matrix et (W=water, IL	19 ⁻ 14d ⁻ 2:	al Numbe		
Sample Identification	Sample Date Time G=grab)	O=waste/oil, BT=Tissue, A=Air}	Pet	101	Special Instructions/Note:	s/Note:
	Say	Preservation Code:	A X	X		
AF-RHMW06-WGN01LF-2302W2	2/13/2023 1200 6	<u>z</u> ≯	×	3		
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AVAILABLE TO THE PROPERTY OF T	5					
	2/13/2023	2				
Possible Hazard Identification	e de la constante de la consta		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	assessed if samples are retai	retained longer than 1 month)	2
sted: I, II, III, IV, Other (specify)	Prelim data (Level 10)	above. DoD Stage	Special Instructions/QC Requiren	1		
Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:		
Relinquished by. NORH TURNER LANGE	Date/Time: 2/13/2023 / 1300	Company AECOM	Repaired by:)	1300 Company	Ş
Relinguished by.	2-13-23 /3/	Company		Date Time: Date Time: Day	//00	
	Date/Time:	Сомралу	Received 45y:	Daje/Time:/	Company	
Custody Seals Intact Custody Seal No.:			Cooler Temperatue(s) °C and Other Remarks:	Remarks:	2.1/2.1	
					Ver. 01/16/2019	6/2019

Chain of Custody Record

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

Seurofins Environment Testing America

	Complete	I ah DM:		Carrier Tracking No(s):	COC No:	
Client Information	And town	Elaine Walker		FedEx	2302W2AFEA08	
	Phone: 402-871-5712	E-Mail: M.Elaine.Wa	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1	
Company:	:DISMG		Analysis Requested	quested	Job #:	
0007 - 11: 0 70	Due Date Requested:				ration Code	
Du'i bishidy St. Suite 1000 City. Honolulu	TAT Requested (days): Rush - ASAP		ļ.		B - NaOH N - C - Zn Acetate O -	N - None O - AsNaO2
State. Zip. Hawaii 96813	Compliance Project: A Yes A No		ouetja			P - Na204S Q - Na2SO3 R - Na2S2O3
Phone: 808-954-4512 / 770-331-0794	PO#:		-{/хоџ	X	ס	S - H2SO4 T - TSP Dodecahydrate
Email: Watson Tanji (watson.tanji@aecom.com)/ Wark Kromis (mark.kromis@aecom.com)	WO#:	(oN 1	loxyel	lots (- Ice J - DI Water	U - Acetone V - MCAA
Project Name: CTO N6274223F0104	Project #: 60697810	io seY	nq-z)-z	nlesino	K-EDIA L-EDA	W - pH 4-5 Z - other (specify)
Site: RHSF	SSOW#:	Wad (190	9 10 11	Other	
Samula Identification	Sample Type Sample (C=comp,	Matrix (ereconstruction MS/NS-vater, FF Cornstruction of Cornstruction) in the Particular MS/NS-research (in the Particular MS/NS-research (in the Particular MS/NS-research MS/NS-researc	801EC_DAI_GI	otal Numbe	Special Instructions/Note:	ctions/Note:
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AF-RHMW04-WGN01LF-2302W2	5/13/23 1050 6	z z x	×			
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Possible Hazard Identification Non-Hazard — Flammable — Skin Irritant — Poison B	3 Taliological	Sam	ple Disposal (A fee may be Return To Client	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mon	etained longer than 1 mc	onth) Months
sted: I, II, III, IV, Other (specify)	Prelim data (Level 1or	ve. DoD Stage Spec	Requirem	ents: DOD QSM project.		
Empty Kit Relinquished by:	4	Time:		Method of Shipment:		
108th	Date/Time: / 1805		Received by: Britishyd Tominez	6024	1305	Company AECOTA)
Presto	3 1315	Company RECOVA	Received by:	Date/The:	00 <i>))</i> 6	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: /	Cor	Сотрапу
Custody Seals Intact: Custody Seal No.:		0	Cooler Temperature(s) °C and Other Remarks:	emarks: 2 ·	1/5.1	-
					Ve	Ver: 01/16/2019

্ৰ eurofins Environment Ter America	Lab PM Elaine Walker	366 - 4777 E-Mail: MElane Walker@EurofinsET com Hawaii	PWSID: Analysis Rec		ush - ASAP	D Nitrie Acid	(ov) Per (ov	WO#	Project #: (Y - EDTA 19 19 19 19 19 19 19 1	z/sa / lasy	Sample Matrix 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Preservation Code: XX A	×	1236)	20 C	hain	of C			Sample Disposal (A fee may be as:	ant Poison B british Radiological Resturn To Client		Time Method of Shipment:	2023 / 1200 AECOM	1216 Company DM	
Eurofins FGS, Seattle 5756 8th Street East Tacoma, WA 98424	Client Information		Company: AECOM	Address. Due E Due	ministration— provides of the control of the contro	1813	7,770-331-0794	im)/ Mark Kromis (mark.kromis@aecom.com)	T		Sample Identification San		AF-RHMW06-WGN01LF-2302W2							Identification	ant Poison B	I III IV Omer(speciny)	by:	Relinquished by North TUZNER (MATTER)	76	The second secon

N - None
O - AsNa02
P - Na2O45
Q - Na2SO3
R - Na2S203
S - K2SO4
T - TSP Dodecahydrate
U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Special Instructions/Note: Ver 01/16/2019 AECON) Months | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | Prelim data (Level 1or2)=see TAT above. DoD Stage | Special Instructions/QC Requirements | DoD QSM project. | Trime | Date: reservation Codes. COC No: 2302W2AFEA08 A - HCL
B - NaOH
C - Zn Acetate
C - NaHSO4
E - NaHSO4
F - MeOH
H - Ascorbic Acid
I - Ice
I - Ice
K - EDTA
L - EDA 002/ Page: Page 1 of 1 Job #* 308 シシ Total Number of containers 60 Date/Type: Camer Tracking No(s): FedEx State of Origin. Hawaii **Analysis Requested** Cooler Temperature(s) °C and Other Remarks: Erthory Tominez Lab PM: Elarne Walker E-Mali: <u>M Elaine Walker@EurofinsET.com</u> Received by z 801EC_DALGL_D5/2-(2-butoxyethoxy)-ethanol Perform MS/MSD (Yes or No) iltered Sample (Yes or No) Company
AECOM
Company
RELONA Sample Matrix
Type Newster in C-Comp, Cassable G-G-Graph BToThese A-Adult Preservation Code: ≷ O Rush - ASAP hone: 402-871-5712 (30E) 135 sample holy towns Sample Time (030) Due Date Requested. see subconfract TAT Requested (days): ompliance Project: Date/Time: 2/13/23 / Date/Time: 02/13/23 / Date/Time: 02/13/23 Sample Date 2/13/13 Project #: 60697810 SSOW#: # #0/ Poison B d Vatson Tanji (watson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com) Skin Imitant Deliverable Requested | II III IV Other (specify) Custody Seals Intact: Custody Seal No. NF-RHMW04-WGN01LF-2302W2 Relinquished by While ssible Hazard Identification elinguished by Tomine 2 308-954-4512 / 770-331-0794 1001 Bishop St. Surte 1600 Empty Kit Relinquished by Client Information Sample Identification CTO N6274223F0104 Non-Hazard State, Zip: Hawaii 96813 linquished by-Company. Honolulu RHSF

Chain of Custody Record

Environment Testing

s eurofins

Tacoma, WA 98424 5755 8th Street East

P. Na2045
Q. Na2803
R. Na28203
S. H2804
T. TSP Dodecahydrate
V. MCAA
V. MCAA
Z. other (specify) 🛟 Eurofins | Environment Testing | America Company 作をのル Special Instructions/Note: Ver 01/16/2019 ri COC No. 2302W1AFEA11 00/ A - HCL
B naOH
B naOH
C - Zn Acetate
D Nitric Acid
NansO4
F MeOH
F Ascorbic Acid
I de
J - DI Water
L EDA 1365 Page: Page 1 of 1 3 Date/Time. Total Number of containers (?) m Special Instructions/QC Requirements DOD QSM project Method of Shipment Carrier Tracking No(s): FedEx State of Origin: Hawaii Detramo 200 Analysis Requested Cooler Temperature(s) °C and Other Remarks: Lab PM. Elaine Walker E-Mait M.Ejaine Walker@EurofinsET.com transfer the Chain of Custody Record 8015C_DAI_GL_D5/ 2-(2-butoxyethoxy)-ethanol Field Filtered Sample (Yes or No) z z Company AECOM Company z Ħ Prelim data (Level 10t2)=see TAT above. DoD Stage 4 report standard TAT AECOM FOUIS EDD TT: Matrix
(W=water
S=solid,
G=wasteloll,
BT=TISSUE, A=Alt) Preservation Code: Company AECOM ≥ ≥ Type (C≂comp, G=grab) Ø ტ 181-366-477 Rush - ASAP 0h:: NOMY TURNER 1315 Sample 1215 1130 Due Date Requested see subcontract TAT Requested (days). Date/Time: 2/10/2023/ Date/Time: 2/13/23 Sample Date 52/101/2 2/10/23 Project #: 60697810 SSOW#: # 02 Poison B 5700/20073 Watson Tanji (watson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com) Skin Imtant Miranda Desamo eliverable Requested | II III IV Other (specify) Custody Seal No AF-RHMW17D-WGN01LF-2302W1 ossible Hazard Identification AF-RHMW17D-WQFB01-2302W1 808-954-4512 / 770-331-0794 1001 Bishop St. Suite 1600 Empty Kit Relinquished by Custody Seals Intact: △ Yes △ No Client Information Sample Identification Project Name: CTO N6274223F0104 Tacoma WA 98424 Relinquished by: Non-Hazard State Zip: Hawali 96813 elinquished by Client Contact: onolulu AECOM AECOM RHSF

Eurofins FGS, Seattle

5755 8th Street East

									America
lient Information	Sampler Ohn	Ohnts Alaydan		™. ne Walker	Lab PM: Elanne Walker	Carrier Tracking No(s) FedEx	ng No(s)	COC No: 2302W1AFEA13	
Client Contact:	Phone: Co	850 STA 4556		ii Iame Walk	er@EurofinsET com	State of Origin Hawaii		Page [.] Page 1 of 1	
Company AECOM		PWSID			Analysis	Analysis Requested		#-	
nop St. Suite 1600	Due Date Requested. see subcontract						_	Preservation Codes	des M Hexane
	TAT Requested (days	i). Rush - ASAP		, je			_	B NaOH C - Zn Acetate	N None O - AsnaO2
State Zip: Hawaii 96813	Compliance Project:	∆ Yes ∆ No		oueuja			_	E NaHSO4	P - Na2048 Q - Na2SO3 B - Na2SO3
Phone: 808-954-4512 / 770-331-0794	.PO #∙		Ī			/		G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahyd
Email: Watson Tanji (watson tanji @aecom.com)/ Mark Kromis (mark.kromis @aecom.com)	₩O #:			(oN		5	510		U - Acetone V - MCAA
Project Name: CTO N6274223F0104	Project #: 60697810			10 69/		50	nietu	K - EDTA L - EDA	W pH 4-5 Z other (specify)
Site: RHSF	SSOW#			() asv	_	<u> </u>		Other	
Sample Identification	Sample Date	Sample Type (C=comp, Time G=grab)	ple Matrix Se (Wewater Seaold, Ownsteold, Heritsune Audir)	Field Filtered Perform MS/I IS_IAG_D3108			edmuki istoT		Special Instructions/Note.
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AF-RHMW225401-WGN01B-2302W1	2,10 2/3 (C2888	M	× z				ю	
		1							
			500	1					
		1		F			-		
	1	#							
Possible Hazard Identification				Samp	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month,	v be assessed if san	samples are reta	stained longer than	1 month)
sted. I II, III IV Other (specify)	Prelim	1or2)≂see TAT	data (Level 1or2)≈see TAT above DoD Stage		Special Instructions/QC Requirements. DOD QSM project.	rements. DOD C	1		
Empty Kit Relinquished by:	4 report standard TAT_AECOM FOULS EDD Date	d TAT. AECOM Date	Ouls EDD	Time		Method	Method of Shipment:		
Relinquished by	Date/Time:	13.15	Company AECOM	BE	Received by M. Manda R	Shamo	Date/Time:	(3/5	Company
Relinquished by Michael Disa Michael By	Date/Time. 2/13/23	0711	Company AFICOL		Received by		Date/Type: /2	3 1/30	Company
Relinquished by	Date/Time		Company		Received by:		Date/Time:		Company
Custody Seals Intact: Custody Seal No.				ది	Cooler Temperature(s) °C and Other Bemarks	ther Remarks.		0// 0	

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5755 8th Street East Tacoma WA 98424	Chain of Cu	Chain of Custody Record			** CUrOTINS Environment Testing America	ting
						[
Client Information	Sampler Patt Vin	Lab PM: Elaine Walker		Carrier Tracking No(s): FedEx	2302W1AFEA10	
Client Contact:	Phone: 303-349-4738	E-Mail: M Elaine Walker@EurofinsET com		State of Origin. Hawaii	Page: Page 1 of 1	
Company AECOM	PWSID		Analysis Requested	rested	Job #:	
Address: 1001 Bishop St. Surte 1600	Due Date Requested see subcontract				Preservation Codes	
City Honolulu	TAT Requested (days): Rush - ASAP	[1		7	B - NaOH N - None C Zn Acetate O - AsNaO2	
State, Zip. Hawaii 96813	Compliance Project: A Yes A No	onedi				
Phone: 808-954-4512 / 770-331-0794	#Od			_	F - MeOH K Na2S2U3 G - Amchlor S H2SO4 H - Ascorbic Acid T TSP Doderahydrate	42
om)/ Mark Kromis (mark.kromis@aecom.com)	WO #:	(on			l Ice J - DI Water	
Project Name: CTO N6274223F0104	Project #. 60697810	O 58/				
	SSOW#:	r) asv	14		Other	
Someole, identification	Sample	Matrix Matrix Filtered Matrix Second.		ledmuÑ lejo		
Sample definition of	+	Ition Code: XX		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	special insuracions/note.	
AF-RHMW17-WGN01LF-2302W1	5 21/01/2	z				
	1					
	S. MA.					
	NY W					
	1					
÷						
Possible Hazard Identification	Pariological	Sample Disp	le Disposal (A fee may be as Return To Client	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month Retain To Client	etained longer than 1 month)	
sted V Other (specify)	Prelim data (Level 10r2)-secent A above. DoD Stage	Stage	Requirem	1		T
Empty Kit Relinquished by	4 report stabbare IAI. AECOM EQUIS EUD.	Time.		Method of Shipment:		Τ
Relinquished by Control of Mark Show	Date/Time 1315	Company Received by	G Lad	Date/Time:	Company (2)	T,
		8	1/2	Date Time 5/2	Company	Γ
	Date/Time:	Company Received by	,	Date/Time: /	ľ	
Custody Seals Intact: Custody Seal No		Cooler Ten	Cooler Temperature(s) °C and Other Remarks:	2	-1/2-1	
		2			Ver 01/16/2019	

Eurofins FGS, Seattle

Client: AECOM Job Number: 580-123620-1

Login Number: 123620 List Source: Eurofins Savannah
List Number: 2 List Creation: 02/17/23 11:30 AM

Creator: Johnson, Corey M

Creator. Johnson, Corey M		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	