

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

5 6

Attn: Terri Choy AECOM 1001 Bishop Street Honolulu, Hawaii 96813 Generated 3/9/2023 3:41:56 PM

JOB DESCRIPTION

Red Hill - AFFF Assessment Sampling

JOB NUMBER

580-124266-1

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

Generated 3/9/2023 3:41:56 PM

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

Table of Contents

1
3
4
5
6
8
9
10
11
12
16

Job ID: 580-124266-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE Client: AECOM Project: Red Hill - AFFF Assessment Sampling Report Number: 580-124266-1

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

Two samples were received on 3/4/2023 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 5.9° 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-RHMW03-WGN01LF-2302W4 (580-124266-1) and AF-RHMW02-WGN01LF-2302W4 (580-124266-2) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 03/08/2023.

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 Sampling

Job ID: 580-124266-1

4

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
М	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.
¤	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

Job ID: 580-124266-1

5

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

Client Sample ID: AF-RHMW03-WGN01LF-2302W4 Lab Sample ID: 580-124266-1 Date Collected: 03/02/23 12:45 Matrix: Water Date Received: 03/04/23 09:00 Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID) Result Qualifier Analyte LOQ DL Unit D Prepared Analyzed Dil Fac 3.0 U M 2-(2-Butoxyethoxy)ethanol 5.0 1.1 mg/L 03/08/23 05:18 1

Client Sample Results

5.0

1.1 mg/L

Job ID: 580-124266-1

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

2-(2-Butoxyethoxy)ethanol

Client Sample ID: AF-RHMW02-WGN01LF-2302W4 Lab Sample ID: 580-124266-2 Date Collected: 03/02/23 11:10 Date Received: 03/04/23 09:00 Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID) Result Qualifier Analyte LOQ DL Unit D Prepared

3.0 U M

Apolyzod	Dil Fac
Analyzed	DIFAC
03/08/23 05:42	1

Matrix: Water

5

QC Sample Results

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

Job ID: 580-124266-1

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

Lab Sample ID: MB 680-76 Matrix: Water	6428/17						C	lie	nt Sam	ple ID: M Prep Ty		
Analysis Batch: 766428										перту	pe. ioi	
	N	B MB										
Analyte	Resu	It Qualifier		LOQ	DL Unit		D	Pr	epared	Analyz	zed	Dil Fa
2-(2-Butoxyethoxy)ethanol	3	.0 U M		5.0	1.1 mg/l	-				03/07/23	22:18	
Lab Sample ID: LCS 680-7	66428/13					Cli	ient S	San	nple ID	: Lab Cor	ntrol Sa	mple
Matrix: Water										Prep Ty		
Analysis Batch: 766428												
			Spike	LCS	LCS					%Rec		
Analyte			Added		Qualifier	Unit		D	%Rec	Limits		
2-(2-Butoxyethoxy)ethanol			20.0	21.5		mg/L			107	50 - 150		
Lab Sample ID: LCSD 680-	766428/14					Client S	Samp	ole	ID: Lab	Control	Sample	e Dur
Matrix: Water										Prep Ty		
Analysis Batch: 766428												
•			0	1 000	LCSD					%Rec		RPI
			Spike	LCSD	LCOD					%Rec		RFI
Analyte			Spike Added	_	Qualifier	Unit		D	%Rec	Limits	RPD	
-			•	_		Unit mg/L		<u>D</u>	%Rec 116		RPD 7	Limi
2-(2-Butoxyethoxy)ethanol	 6-2 MS		Added	Result	Qualifier	mg/L	ID: A		116	Limits	7	Limi 50
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426			Added	Result	Qualifier	mg/L	ID: A		116	Limits 50 - 150	7 1LF-23	Limi 50
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water	 6-2 MS		Added	Result	Qualifier	mg/L	ID: A		116	Limits 50 - 150	7 1LF-23	Limi 50
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water		ample	Added	Result	Qualifier Client S	mg/L	ID: A		116	Limits 50 - 150	7 1LF-23	Limi 50 02W4
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte	Sample S Result C	ualifier	Added 20.0 Spike Added	Result 23.1 MS Result	Qualifier Client S	mg/L	ID: A		116 RHMW(Limits 50 - 150 D2-WGN0 Prep Ty %Rec Limits	7 1LF-23	Limi 50 02W4
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte	Sample S	ualifier	Added 20.0 Spike	Result 23.1	Qualifier Client S MS	mg/L ample	ID: A	F-F	116 RHMW(Limits 50 - 150 02-WGN0 Prep Ty %Rec	7 1LF-23	Limi 50
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte 2-(2-Butoxyethoxy)ethanol	Sample S Result C 3.0 U	ualifier	Added 20.0 Spike Added	Result 23.1 MS Result	Qualifier Client S MS Qualifier	mg/L ample Unit mg/L		 	116 RHMW(%Rec 130	Limits 50 - 150 D2-WGN0 Prep Ty %Rec Limits 50 - 150	7 1LF-23 pe: Tot	Limi 5 02W4 al/N/
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte 2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426	Sample S Result C 3.0 U	ualifier	Added 20.0 Spike Added	Result 23.1 MS Result	Qualifier Client S MS Qualifier	mg/L ample Unit mg/L		 	116 RHMW(%Rec 130	Limits 50 - 150 D2-WGN0 Prep Ty %Rec Limits 50 - 150 D2-WGN0	7 1LF-23 pe: Tot	Limi 5/ 02W4 al/N4
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte 2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water	Sample S Result C 3.0 U	ualifier	Added 20.0 Spike Added	Result 23.1 MS Result	Qualifier Client S MS Qualifier	mg/L ample Unit mg/L		 	116 RHMW(%Rec 130	Limits 50 - 150 D2-WGN0 Prep Ty %Rec Limits 50 - 150	7 1LF-23 pe: Tot	Limi 5/ 02W4 al/N4
2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte 2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water	Sample S Result C 3.0 U	M	Added 20.0 Spike Added	Result 23.1 MS Result	Qualifier Client S MS Qualifier Client S	mg/L ample Unit mg/L		 	116 RHMW(%Rec 130	Limits 50 - 150 D2-WGN0 Prep Ty %Rec Limits 50 - 150 D2-WGN0	7 1LF-23 pe: Tot	Limi 50 02W4 al/NA 02W4 al/NA
Analyte 2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte 2-(2-Butoxyethoxy)ethanol Lab Sample ID: 580-12426 Matrix: Water Analysis Batch: 766428 Analyte	Sample S <u>Result C</u> 3.0 U 6-2 MSD	ample	Added 20.0 Spike Added 20.0	Result 23.1 MS Result 26.0	Qualifier Client S MS Qualifier Client S	mg/L ample Unit mg/L		 	116 RHMW(%Rec 130	Limits 50 - 150 2-WGN0 Prep Ty %Rec Limits 50 - 150 2-WGN0 Prep Ty	7 1LF-23 pe: Tot	Limi 50 02W4 al/NA

Client: AECON Project/Site: R		- Assessment Sa	ampling					Job I	D: 580-124266-1
Client Sam Date Collecte Date Receive	d: 03/02/23 1		GN01LF-	2302W4			Lab	Sample ID:	580-124266-1 Matrix: Water
Prep Type Total/NA	Batch Type Analysis	Batch Method 8015C GLY	Run	Dilution <u>Factor</u> 1	Batch Number 766428	Analyst JCK	EET SAV	Prepared or Analyzed 03/08/23 05:18	
Client Sam Date Collecte Date Receive	d: 03/02/23 1		GN01LF-2	2302W4			Lab	Sample ID:	580-124266-2 Matrix: Water
	Batch	Batch		Dilution	Batch			Prepared	

Factor

1

Number Analyst

766428 JCK

Lab

EET SAV

or Analyzed

03/08/23 05:42

Lab Chronicle

Laboratory References:

Туре

Analysis

Prep Type

Total/NA

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

Run

Method

8015C GLY

Accreditation/Certification Summary

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

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Laboratory: Eurofins Savannah

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

Authority ANAB	Program Dept. of Defense ELAP	Identification Number	Expiration Date 09-22-24
The following analytes are included in this the agency does not offer certification.	report, but the laboratory is not cert	ified by the governing authority.	This list may include analytes for which

 Analysis Method
 Prep Method
 Matrix
 Analyte

 8015C GLY
 Water
 2-(2-Butoxyethoxy)ethanol

Sample Summary

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-124266-1	AF-RHMW03-WGN01LF-2302W4	Water	03/02/23 12:45	03/04/23 09:00
580-124266-2	AF-RHMW02-WGN01LF-2302W4	Water	03/02/23 11:10	03/04/23 09:00

Job ID: 580-124266-1

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

Chain of Custody Record

Curofins Environment Testing America

					2 1 1 1 1 1 1 1 1
Client Information	sampler ryott Yivn	Lab PM: Elaine Walker	lker	Carrier Tracking No(s): FedEx	COC No: 2302W4AFEA02
	Phone: 8 23-349-44-473	E-Mail: <u>M.Elaine.</u> /	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	DISMA		Analysis Requested	equested	Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract		1		Š
	TAT Requested (days): Rush - ASAP				B - NaOH N - None C - Zn Acetate O - AsNaO2
ip: 1 96813	Compliance Project: 🛆 Yes 🛆 No		onsdi ja	<u>\</u>	
Phone: 808-954-4512 / 770-331-0794	PO #:	(on	-(/ xoy	/	G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate
ecom.com)/ Mark Kromis (mark.kromis@aecom.com)	# OM		1940 ACC - CO		
	Project #: 60697810		7	Service and services	K - EUIA W - pH 4-5 L - EDA Z - other (specify)
Site: RHSF	SSOW#:		0.00000000	r of 60	Other:
	Sample	ple Matrix e (N=water mp, s=sold, bl MG/ mp, o=wate/oil, eld MG/ eld form		otal Numbe	
Sample Identification	Sample Date Time G=grab)	BT=Tissue, A=Air) IL Ition Code: X	1995		Special Instructions/Note:
AF-RHMW03-WGN01LF-2302W4	3/1/23 [245 G	z z s	<u> </u>	••	
	CHIENM				
Possible Hazard Identification	B Unknown Kadiological		ample Disposal (A fee may b Return To Client	ēΠ	etained longer than 1 month) Archive For Months
sted: I, II, III, IV, Other (specify)	Prelim data (Level 1or. 4 report standard TAT	above. DoD Stage S	Special Instructions/QC Requirements: DOD QSM project.		
Empty Kit Relinquished by:		Time:		Method of Shipment:	
when the work the	Date/Time: 1400	Company AECOM	Received by: Jamess 1	Mason DateTime: 3/2/	23 1400 Company
	Date/Time: 3/2/23 1415	Company	Received by: B		FUU Company
Reinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No			Cooler Temperature(s) °C and Other Remarks:	Remarks: 5.9/5.5	
					Ver: 01/16/2019

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Chain of Custody Record

🛟 eurofins Environment Testing America

Tacoma, WA 98424					America
Client Information	Sampler, Joury	Lab PM: Elaine Walker		COC No: 2302W4	COC No: 2302W4AFEA01
	2-871-57	E-Mait: M.Elaine.Walker@EurofinsET.com	State of Origin: <u>m</u>	Page: Page 1 of 1	of 1
	PWSID:	Anal	Analysis Requested	Job #:	
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			Preserva	
	TAT Requested (days): Rush - ASAP	lon	<u> </u>	B - NaOH C - Zn Acetate D - Ninic Acid	H N - None cetate O - AsNaO2 Acid P - Na2O4S
State, zip: Hawaii 96813	Compliance Project: 🛆 Yes \Lambda No	ısdfə-		E - NaHS	
54-4512 / 770-331-0794	PO #:		J D	G - Amct H - Ascor	
m.)/ Mark Kromis (mark kromis@aecom.com)	жOЖ.	(0N 1	LXV1		
	Project #: 60697810	o səy	G		
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	Sample Type Sample (C=comp,	Matrix Matrix Merenier, Me		ədmuN ist	
Sample Identification	Sample Date Time G=grab)	94 ×			Special Instructions/Note:
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	133				
2	21 ~ 12	•			
				Sint	
Possible Hazard Identification Mon-Hazard Elammable Skin Irriant Poison B Unk	Unknown	Sample Disposal (A fe	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	s are retained long	ler than 1 month) Months
isted: I, II, III, IV, Other (specify)	Prelim data (Level 10r2)=see TAT above. DoD Stage		Special Instructions/QC Requirements: DOD QSM project.	ect.	
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	Date/Time:	Company Received by:	Date/Time:	me:	Company
Custody Seals Intact Custody Seal No.: A Yes A No		Cooler Temperature(s) °C and Other Remarks:	5	5'S'5	
					Ver: 01/16/2019

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Chain of Custody Record

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Compliance Project: Plone: アリパーブ Phone: アリパーブ Phone: アリパーブ Phone: アリパーブ Phone: アリパーブ See subcontract action: Dig and the fraguested (day Dig at the phone: アリパーブ	aismd LEth-b	Elaine Walker E-Mail: M Flaine Walker@FurnfinsET.com	FedEx State of Origin	2302W4AFEA02 Page:	2
act hop St. Suite 1600 but Date Requested flags: hop St. Suite 1600 be bare Requested flags: 1212 / 770-331-0794 brownis (mark, kronnis	disma LEtt-b	ine Walker@FurofinsET.com	State of Origin	Page:	
https://www.communication Due Date Requested (asylication) 6813 See subconfract (asylication) 6813 Compliance Project (asylication) 6812 / 770-331-0794 PO #: 4512 / 770-331-0794 PO #: 10 (watson.tarij@aecon.com) Mark kromis@aecon.com WO #: ne: PO #: 7 / 223F0104 SSOW#: 003-WGN01LF-2302W4 3 / 1 / 2 3 10 (watson.taring@aecon.com) Mark kromis@aecon.com SSOW#: ne: Project #: 003-WGN01LF-2302W4 3 / 1 / 2 3 11 MO1-Fazard Identification Ssom #: -Hazard Identification Other (specify) -Hazard Identification A report spin data (Level) 10 Requested 11 III V Other (specify) A report standaid	QISMA	11C. YY GINUL W LUI VIII VII VII V	Hawaii	Page 1 of 1	
hop St. Suite 1600 Due Date Requested (day see subcontract 3813 5813 TAT Requested (day (astson.tanji@ecom.com) Mark Kromis (mark.kromis@aecom.com) 4512 / 770-331-0794 PO #: 4512 / 770-331-0794 PO #: 712 / 7223F0104 SSOW#: 803-WGN01LF-2302W4 3 / 7 / 2 3 7 7 / 7 / 2 3 M03-WGN01LF-2302W4 3 / 7 / 2 3 7 7 / 7 / 2 3 M03-WGN01LF-2302W4 3 / 7 / 2 3 7 7 / 7 / 2 3 M03-WGN01LF-2302W4 3 / 7 / 7 2 3 M03-WGN01LF-2302W4 3 / 7 / 7 3		Analysis Requested	equested	Job #-	
TAT Requested (day: Ompliance Project: Project: Project #: 60697810 SSOW#: SSOW#: SSOW#: M4 3/7/23 W4 SSOW#: SOW#: SOW#: SOW#: SOW#: SOW#: SSOW#: SSOW#: SSOW#: SOW#: SOW#: <td></td> <td></td> <td></td> <td>Preservation Codes: A - HCL M</td> <td>des: M - Hexane</td>				Preservation Codes: A - HCL M	des: M - Hexane
Compliance Project: P0 #: P0 #: Project #: B0097810 SSOW#: SSOW#: SSOW#: Project #: B0097810 SSOW#: Project #: Project #: Prelint data (Leve): Rush - ASAP	[a		B - NaOH C - Zn Acetate	
m) Mark Kromis (mark, kromis @aecom.com) W0 #: Project #: Boolegy 810 SSOW#: SSOW: SSOW#: SSOW#: SSOW: SSOW#: SSOW:	Δ Yes Δ No	onsdia		L - NITIC ACIO E - NaHSO4 F - MaOH	
m) Mark Kromis (mark, kromis@aecom.com) W0 #: Project #: Projec				G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahvdrate
le Identification 6274235F0104 6097810 550W#: 6274223F0104 550W#: 66097810 550W#: 60097810 550W#: 550M#: 55		lis (xov)			
e Identification Sample Date MV03-WGN01LF-2302W4 3 /1 /2 3 /		10 SƏ)		K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Sample Date Sample Date) asv	. 01 00	Other	
Sample Date Sample Date 3 / 1 / 2 3 / 1 / 2 3 /	Sample Matrix Type Wewater (C=comp, Sesolid,	eld Fillered NZM mrotra DA_IAC_DALGL	 		
3 /1 /23 /	G=grab) BT=Tissue, A=Air)			sper	
3/1/2/ / アイン アイレー Skin Intiant □ Poison B 「ゴパnown Other (specify) Prelim data (Leve 4 report standard	Preservation Code.	X			
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ation attion Document Devices B Comprovin mable Skin Irritant Deviced B Comprovin I II IV Other (specify) A report standard					
III IV Other (specify) 4 report standard	Kadiological	Sample Disposal (A fee may be assessed if samples are retained longer t	s assessed if samples are retain Disposal Bv Lab	s tained longer t i Archive For	Months
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Date/Time:	Company	Received by:	Date/Time:		Company
Custody Seals Intact: Custody Seal No		Cooler Temperature(s) °C and Other Remarks:	Remarks: 5.9/5.5		
			+		Ver 01/16/2019

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

# **Chain of Custody Record**

🐝 eurofins Envroament Testing America

Client Information	sampler.	Lab PM Elaine Walker		Camer Tracking No(s): FedEx	COC No: 2302W4AFEA01	
Client Contact:	Phone: 402-871-5712	E-Mait: M Elaine Waiker(	E-Mail: State of Origin. M Elaine Walker@EurofinsET com Hawaii	Origin. lí	Page: Page 1 of 1	
Company	JISMd		sis Red	pe	Job #:	
	Due Date Requested:					
1001 Distribly SL Suite 1000 City Learners	TAT Requested (days)				A HCL M - HC B - NaOH N - No C - Zn Acetate D - Asi	M - None N - None D - AsNaO2
Honolulu State, Zlp:		lonar				2045
Hawaii 96813	Compliance Project: A Yes A No	()-6()				25203
Phone: 808-954-4512 / 770-331-0794	HO #			\$		504 [•] Dodecahydrate
Email Watson Tanji (watson.tanji@aecom com)/ Mark Kromis (mark.kromis@aecom.com)	#OM	(oN 1		1012 1012	I - Ice J - DI Water	atone
Project Name: CTO N6274223F0104	Project #. 60697810	o səy	R		k EUIA L EDA	w - pH 4-5 Z - other (specify)
Site: RHSF	SSOW#:	) asw	je Z	9 IO 16	Other	
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r	12/4					
Possible Hazard Identification Non-Hazard Elammable Skin Irriant Doison B	Linknown Radiologicar	Sample	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)	a assessed if samples are retai Disposal By Lab	etained longer than 1 mon Archive For Mc	<b>onth)</b> Months
sted 1, II III IV, Other (specify)	Eg .	ve. DoD Stage Special I	nstructions/QC Requirements D			
Empty Kit Relinquished by:	4 report standard IAL AFCUM FULL	Time	W	Method of Shipment:		
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Mason	3 1415	20	Received by A	Date/Time: 3.427	500	24
Relinquished by			Received by	Date/Time:	Company	'ny
Custody Seals Intact: Custody Seal No		Coole	Cooler Temperature(s) °C and Other Remarks.	5.5/5:	5	
					Ver (	Ver 01/16/2019

# Login Sample Receipt Checklist

# Client: AECOM

# Login Number: 124266 List Number: 1 Creator: Presley, Kim A

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
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.	N/A	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

List Source: Eurofins Seattle

Client: AECOM			Job Number: 580-124266-1
Login Number: 124266 List Number: 2 Creator: Meincke, Griffin E			List Source: Eurofins Savannah List Creation: 03/07/23 01:20 PM
Question	Answer	Comment	
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td></td> <td></td> <td></td>			
The cooler's custody seal, if present, is intact.			
Sample custody seals, if present, are intact.			
The cooler or samples do not appear to have been compromised or tampered with.			
Samples were received on ice.			
Cooler Temperature is acceptable.			
Cooler Temperature is recorded.			
COC is present.			
COC is filled out in ink and legible.			
COC is filled out with all pertinent information.			
Is the Field Sampler's name present on COC?			
There are no discrepancies between the containers received and the COC.			
Samples are received within Holding Time (excluding tests with immediate HTs)			
Sample containers have legible labels.			
Containers are not broken or leaking.			
Sample collection date/times are provided.			
Appropriate sample containers are used.			
Sample bottles are completely filled.			
Sample Preservation Verified.			
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs			
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").			
Multiphasic samples are not present.			
Samples do not require splitting or compositing.			
Residual Chlorine Checked.			