# 44

# **ANALYTICAL REPORT**

## PREPARED FOR

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

Generated 6/1/2023 4:04:30 PM

## **JOB DESCRIPTION**

Red Hill - AFFF Assessment Sampling

## **JOB NUMBER**

580-127600-1

Eurofins Seattle 5755 8th Street East Tacoma WA 98424



# **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**

M. Elaine Walker

Generated 6/1/2023 4:04:30 PM

Authorized for release by Marie Walker, Senior Project Manager M.Elaine.Walker@et.eurofinsus.com (253)248-4972 1

9

6

7

\_

10

1-

Client: AECOM

Project/Site: Red Hill - AFFF Assessment Sampling

Laboratory Job ID: 580-127600-1

# **Table of Contents**

Cover Page	1
Table of Contents	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	13
Chronicle	14
Certification Summary	15
Sample Summary	16
Chain of Custody	17
Receint Checklists	22

#### **Case Narrative**

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-127600-1

**Laboratory: Eurofins Seattle** 

**Narrative** 

#### **CASE NARRATIVE**

Client: AECOM
Project: Red Hill - AFFF Assessment Sampling
Report Number: 580-127600-1

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**

Seven samples were received on 5/24/2023 9:50 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 3.0° 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-RHMW02-WGN01LF-2305W3 (580-127600-1), AF-RHMW03-WGN01LF-2305W3 (580-127600-2), AF-RHMW17-WGN01LF-2305W3 (580-127600-3), AF-RHMW17S-WGN01LF-2305W3 (580-127600-4), AF-RHMW17S-WQEB01-2305W3 (580-127600-5), AF-RHMW17D-WGN01LF-2305W3 (580-127600-6) and AF-RHMW17D-WQFB01-2305W3 (580-127600-7) 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.

3

4

5

6

8

9

10

#### **Definitions/Glossary**

Job ID: 580-127600-1 Client: AECOM

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
М	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

#### **Glossary**

DLC

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

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Decision Level Concentration (Radiochemistry)

Method Detection Limit MDL ML Minimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent Positive / Present POS

Practical Quantitation Limit PQL

**PRES** Presumptive QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points **RPD** 

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

**Eurofins Seattle** 

Page 5 of 22 6/1/2023

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW02-WGN01LF-2305W3 Lab Sample ID: 580-127600-1

Date Collected: 05/18/23 10:55 Matrix: Water

Date Received: 05/24/23 09:50

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)										
	Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
	2-(2-Butoxyethoxy)ethanol	1.3	JQ	5.0	1.1	mg/L			05/26/23 09:47	1

4

5

7

0

10

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW03-WGN01LF-2305W3 Lab Sample ID: 580-127600-2

Date Collected: 05/18/23 12:40 Matrix: Water

Date Received: 05/24/23 09:50

Method: SW846 8015C GLY - G	Slycols- Dire	ect Injection	on (GC/FID)						
Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	1.3	<u>10</u>	5.0	1.1	ma/L			05/26/23 10:10	1

Δ

5

7

0

10

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17-WGN01LF-2305W3 Lab Sample ID: 580-127600-3

Date Collected: 05/19/23 13:00 Matrix: Water

Date Received: 05/24/23 09:50

Method: SW846 8015C GLY - 0	Glycols- Dir	ect Injecti	on (GC/FID)						
Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fa
2-(2-Butoxyethoxy)ethanol	3.0	UMQ	5.0	1.1	mg/L			05/26/23 10:34	

А

5

6

8

46

**Eurofins Seattle** 

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17S-WGN01LF-2305W3 Lab Sample ID: 580-127600-4

Date Collected: 05/19/23 10:30 Matrix: Water

Date Received: 05/19/23 10:30

Date Received: 05/24/23 09:50

Method: SW846 8015C GLY - 0	Glycols- Dir	ect Injection	on (GC/FID)						
Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	UMQ	5.0	1.1	mg/L			05/26/23 10:57	1

4

9

10

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17S-WQEB01-2305W3 Lab Sample ID: 580-127600-5

Date Collected: 05/19/23 11:15 Matrix: Water

Date Received: 05/24/23 09:50

Analyte	Result Qualifier	LOQ	DL Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	30 UMQ	5.0	1.1 mg/l			05/26/23 11:28	1

Λ

6

8

9

10

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17D-WGN01LF-2305W3 Lab Sample ID: 580-127600-6

Date Collected: 05/19/23 11:40 Matrix: Water

Date Received: 05/24/23 09:50

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

Analyte	Result Qualifier	LOQ	DL Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	30 UMQ	5.0	1.1 mg/l			05/26/23 11:51	1

4

5

6

8

9

10

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17D-WQFB01-2305W3 Lab Sample ID: 580-127600-7

Date Collected: 05/19/23 11:20 Matrix: Water

Date Received: 05/24/23 09:50

Analyte	Result Qu	ıalifier LOQ	DL Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	30 U	Ω 5.0	1.1 mg/l			05/26/23 12:15	1

4

6

8

9

10

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

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

Lab Sample ID: MB 680-780505/16 Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 780505** 

MB MB Result Qualifier LOQ DL Unit Analyzed Dil Fac Analyte D Prepared 1.1 mg/L 05/26/23 01:16 2-(2-Butoxyethoxy)ethanol 3.0 U 5.0

Lab Sample ID: LCS 680-780505/12 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

Analysis Batch: 780505

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Unit 50.0 39.0 Q 50 - 150 2-(2-Butoxyethoxy)ethanol mg/L 78

Lab Sample ID: LCSD 680-780505/13 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 780505** 

Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Analyte Unit %Rec Limit 2-(2-Butoxyethoxy)ethanol 20.0 20.6 M Q 50 - 150 mg/L

Lab Sample ID: 580-127600-6 MS Client Sample ID: AF-RHMW17D-WGN01LF-2305W3 Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 780505** 

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 2-(2-Butoxyethoxy)ethanol 3.0 UMQ 20.0 22.1 mg/L 110 50 - 150

Lab Sample ID: 580-127600-6 MSD Client Sample ID: AF-RHMW17D-WGN01LF-2305W3 Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 780505** 

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Limits Result Qualifier Unit %Rec Limit 2-(2-Butoxyethoxy)ethanol 3.0 UMQ 20.0 21.5 107 50 - 150 50 mg/L

**Eurofins Seattle** 

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW02-WGN01LF-2305W3

Lab Sample ID: 580-127600-1 Date Collected: 05/18/23 10:55

**Matrix: Water** 

Date Received: 05/24/23 09:50

Dilution Batch Ratch Batch Prepared Method or Analyzed **Prep Type** Type Run **Factor** Number Analyst Lab Total/NA 8015C GLY GEM EET SAV 05/26/23 09:47 Analysis 780505

Client Sample ID: AF-RHMW03-WGN01LF-2305W3

Lab Sample ID: 580-127600-2

Date Collected: 05/18/23 12:40 Date Received: 05/24/23 09:50

**Matrix: Water** 

Batch Batch Dilution Batch **Prepared Prep Type** Type Method Run **Factor Number Analyst** Lab or Analyzed Total/NA Analysis 8015C GLY 780505 GEM EET SAV 05/26/23 10:10

Client Sample ID: AF-RHMW17-WGN01LF-2305W3

Lab Sample ID: 580-127600-3

**Matrix: Water** 

Date Collected: 05/19/23 13:00 Date Received: 05/24/23 09:50

Batch Batch Dilution Batch Prepared **Prep Type** Method **Factor Number Analyst** or Analyzed Type Run Lab 05/26/23 10:34 Total/NA Analysis 8015C GLY 780505 GEM **EET SAV** 

Client Sample ID: AF-RHMW17S-WGN01LF-2305W3

Lab Sample ID: 580-127600-4

Date Collected: 05/19/23 10:30

**Matrix: Water** 

Date Received: 05/24/23 09:50

Batch Batch Dilution Batch Prepared **Prep Type** Method Number Analyst or Analyzed Type Run **Factor** Lab Analysis 8015C GLY 780505 GEM EET SAV 05/26/23 10:57 Total/NA

Client Sample ID: AF-RHMW17S-WQEB01-2305W3

Lab Sample ID: 580-127600-5

Date Collected: 05/19/23 11:15

**Matrix: Water** 

Date Received: 05/24/23 09:50

Batch Batch Dilution Batch Prepared Method Number Analyst or Analyzed **Prep Type** Type Run **Factor** Lab 05/26/23 11:28 Total/NA Analysis 8015C GLY 780505 GEM **EET SAV** 

Client Sample ID: AF-RHMW17D-WGN01LF-2305W3

Lab Sample ID: 580-127600-6

Date Collected: 05/19/23 11:40 Date Received: 05/24/23 09:50

Dilution Batch Batch Ratch Prepared **Prep Type** Type Method Factor Number Analyst or Analyzed Run Lab EET SAV 05/26/23 11:51 Total/NA Analysis 8015C GLY 780505 GEM

Client Sample ID: AF-RHMW17D-WQFB01-2305W3

Lab Sample ID: 580-127600-7

Date Collected: 05/19/23 11:20

**Matrix: Water** 

Date Received: 05/24/23 09:50

Batch Batch Dilution Batch **Prepared** Method or Analyzed **Prep Type** Type Run **Factor Number Analyst** Lab 05/26/23 12:15 Total/NA Analysis 8015C GLY 780505 GEM **EET SAV** 

**Laboratory References:** 

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

**Eurofins Seattle** 

**Matrix: Water** 

## **Accreditation/Certification Summary**

Client: AECOM Job ID: 580-127600-1

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	Pr	ogram	Identification Number	Expiration Date
ANAB	De	ept. of Defense ELAP	L2463	09-22-24
The following analyte	s are included in this repo	ort but the laboratory is not o	certified by the governing authority	This list may include analytes for which
The following analyte the agency does not o		ort, but the laboratory is not o	certified by the governing authority.	This list may include analytes for which
0 ,		ort, but the laboratory is not on Matrix	certified by the governing authority.  Analyte	This list may include analytes for which

**Eurofins Seattle** 

Page 15 of 22 6/1/2023

6

Δ

6

Ω

9

# **Sample Summary**

Client: AECOM Job ID: 580-127600-1

Project/Site: Red Hill - AFFF Assessment Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-127600-1	AF-RHMW02-WGN01LF-2305W3	Water	05/18/23 10:55	05/24/23 09:50
580-127600-2	AF-RHMW03-WGN01LF-2305W3	Water	05/18/23 12:40	05/24/23 09:50
580-127600-3	AF-RHMW17-WGN01LF-2305W3	Water	05/19/23 13:00	05/24/23 09:50
580-127600-4	AF-RHMW17S-WGN01LF-2305W3	Water	05/19/23 10:30	05/24/23 09:50
580-127600-5	AF-RHMW17S-WQEB01-2305W3	Water	05/19/23 11:15	05/24/23 09:50
580-127600-6	AF-RHMW17D-WGN01LF-2305W3	Water	05/19/23 11:40	05/24/23 09:50
580-127600-7	AF-RHMW17D-WQFB01-2305W3	Water	05/19/23 11:20	05/24/23 09:50

3

4

5

6

0

46

5755 8th Street East Tacoma, WA 98424

## **Chain of Custody Record**

eurofins Environment Te tin

Client Information	Sampler And	y Your	بع	Lab P Elain	м ie Wal	lker					Carr	ier Trad IEx	king N	lo(s)			COC No: 2305W3A	FEA01		
Client Contact.		71-571		E-Mai	l:	Valker	@Eu	rofinsl	ET con	n	State	of Ori	gin:				Page 1 of			
Company AECOM	1.00	7 7 11	PWSID							/sis R							Job #	-		
Address. 1001 Bishop St. Suite 1600	Due Date Requesto see subcontrac		L		T			Т	1				T	T			Preservati	on Cod	es M Hexane	
City Honolulu	TAT Requested (da		Dav											/			B NaOH C Zn Aceta	ite	N None O AsNaO	
State Zip Hawaii 96813	Compliance Projec					ethano						,	/			-	D Nitric Ac E NaHSO4 F MeOH		P Na2O4 Q Na2SO R Na2S2	3
Phone: 808-954-4512 / 770-331-0794	PO#				<u> </u>	hoxy)-	l				1/2	1					G Amchlor		S H2SO4	
Emall: Walson Tanji (walson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com)	Wo #∙				S S	toxyet				2	1/2	,				Sers	I Ice J DI Waler		U Acetoni V MCAA	
Project Name: CTO N6274223F0104	Project # 60697810				ple (Y	2-(2-bu			2		5					containers	K EDTA L EDA		W pH 4-5 Z other (s	
Site RHSF	SSOW#				Sam MSD (	_D5/			1	S1										
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solld, O=waste/oll, BT=Tissue, A=Air)	Field Filtered Sample (Yes or Perform MS/MSD (Yes or No)	_		1								Total Number of	Spe	cial Ins	structions	s/Note:
AF RHMW02-WGN01LF-2305W3	5/18/23	<u>~~</u>	Preserva G	ition Code W	X X N N	A	+		+	$\vdash$				+	+	3	-			
AT THIRT TO THE POST OF THE PO	3118163	1055	<u> </u>		14 14					$\vdash$										
					$\vdash$	+								+	+	-				
		X			+			$\top$	-			<u></u>		1   66   1  5	' 8 1 <b>1</b> 1 1 1 1 1	' 116 811	181 (1818 (1918) (18	11 <b>1</b> 1111 <b>1</b>	166 1411 I <b>11</b> 1	-
	090	1									_									
	110/23	)									_									
	6/18/2				_						_	5	80-1	2760		liiiii hain	of Custoo	111 INN 1 3y	1 <b>6</b> 7 1 1 <b>6 6</b> 1 1 1 <b>6 6</b> 1	
					_	1-1			_		4		-			ı	1			
			***************************************				_		+		_			_	+	+				
Possible Hazard Identification				Committee and Committee of the Committee	Sa	mple	Disp	osal (	A fee	may b	e asse	ssed	if sai	mple	s are	retai	ned longer	than 1	1 month)	
Non-Hazard Flammable Skin Irritant Poison B Uni	known Rad	liologicar			]	$\square_{R\epsilon}$	eturn	To Cli	ent		Dispo	sal B	y Lab	)		Arci	hive For		Month	s
Deliverable Requested I, II, III, IV, Other (specify)	Prelim data (Lev 4 report standar	d TAT. AF	e TAT abo	S.EDD.		ecial I	nstru	ctions	/QC R	equire	nents									
Empty Kit Relinquished by	Data Giana	Date			Time	I Deseil	und bu					Metho	d of Sh	hipmer	nt:	1			Compony	
Relinquished by Analy Young ast 8	Date/Time: 5/18/23/	1509	5	Company AECOM		necei	ved by	Britt	DAM)	Tom	Se					23		-	ACCO	М
Brittany Tominus	Date/Time 5/22/23	いろ	00	AELOM			/	//	1		***************************************			Date/Tir 5	124	23	095	0	Company	
Relinquished by	Date/Time			Company		Recei	ved by							Oate/Tir	ne.		1		Company	
Custody Seals Intact. Custody Seal No Δ Yes Δ No						Coole	r Temp	erature	(s) °C a	nd Olhei	Remark	S			3.	.2,	13.0			
	<del>-</del>															-			Ver 01/10	5/2019

5755 8th Street East Tacoma, WA 98424

## **Chain of Custody Record**

curofins Environment Testing Am rica

	Sampler / A	U.		Lab F	SM:			-,				Carrier T	racking i	Vo(s)			COC No:	
Client Information		Youn			ne Wa	alker						FedEx					2305W3AFEA02	2
Client Contact:	Phone: 402-8	71-571	2	E-Ma M.E		Walk	er@E	urofir	nsET	com		State of I Hawaii					Page Page 1 of 1	
Company			PWSID <sup>.</sup>		T					-							Job #	
AECOM Address	Due Date Request	ed .			_	Nation 1			Ana	alysis	Req	ueste	<del>u</del>		1 2	,	Preservation Cod	doe
1001 Bishop St Suite 1600	see subcontract	t	_														A HCL	M Hexane
City· Honolulu	TAT Requested (da	ays) Rush - 5	Day			-								$\mathbb{Z}$			B NaOH C Zn Acetate	N None O AsNaO2
State Zip: Hawali 96813	Compliance Projec	ct. ∆ Yes	ΔNo		11	than						1	И				D Nitric Acid E NaHSO4	P Na2O4S Q Na2SO3
Phone: 808-954-4512 / 770-331-0794	PO#				ĝ	oxy)-e	:					1	71				F MeOH G Amchlor H Ascorbic Acid	R Na2S2O3 S H2SO4 T TSP Dodecahydrate
Email: Watson Tanji (watson.tanji @aecom.com)/ Mark Kromis (mark.kromis⊛aecom.com)	WO #				Sample (Yes or No.)	toxyet	.			12				1		ers	I Ice J DI Water	U Acetone V MCAA
Project Name CTO N6274223F0104	Project # 60697810				L C	(2-br	.		K	W.	1	7				containers	K EDTA L EDA	W pH 4-5 Z other (specify)
Site RHSF	SSOW#				d a	05/2			1	16	1/10.					of co	Other	
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab) Preserve	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air) tion Code	Filtered	FEITURE MAJMINS (168 OF NO)  S015C_DAL_GL_D5/ 2-(2-butoxyethoxy)-ethanol				7						X Total Number	Special In	structions/Note:
AF-RHMW03-WGN01LF-2305W3	5/18/23	1240	G	W	NI	-	_		1	_	1		T		1	3		
	-7707-0	1010			口	士												
					╁┼		-		-		and the same of th	_						
		n				_					+	_	4-4	_	┿			
4	-76	X	<u> </u>		Ш	_	-			_	1		-					
	1	1			H	-	+		_	+	+		+	_				
	3/18/0	·)			H	-	+		-	+			+		+			
					H		1		_		$\Box$		T	$\top$		-	_	
					$\parallel$		+		$\neg \vdash$		$\Box$		$\dagger \dagger$					
									-									
Possible Hazard Identification  Non-Hazard Flammable Skin Irritant Poison B	Unknown	Falli.	ological		s	amp	l <b>e Dis</b> Returr	posa	I ( A f	ee ma	y be a	ssesse isposal	d if sa	mples			ed longer than nive For	1 month) Months
Deliverable Requested I, II, III, IV, Other (specify)	Prelim data (Lev	/el 1or2)=se	e TAT abo	ve DoD Sta														
Empty Kit Relinquished by	4 report standar	d TAT. AE Date	COM FOul	S EDD.	Time	3						Met	hod of S	hipment				
Relinquished by Andy roung and	Date/Time, 5//8/23/	1505		Company AECOM	<u> </u>	Red	eived b	rritto	WON	Ton	10/2/7			Date/Tim	1217	<u>13</u>	1505	Company AE(A)
Relinquished by Brittain Toming	Date/Time 5/27/23	12		Company		Red	celved t	New York	1	1				Date//im	1/2	<u> </u>	0950	Company
Relinquished by	Date/Time	1 3.	· Manual	Company	* **	Red	elved l	¥.	1	/				Date/Tim			0 10 0	Company
Custody Seals Intact <sup>-</sup> Custody Seal No Δ Yes Δ No			<u> </u>						ure(s) °	C and C	ther Re	narks	i		2, 2	:/j	3.0	<u></u>
																1		Ver: 01/16/2019

5755 8th Street East Tacoma, WA 98424

## **Chain of Custody Record**

Client Information	Sampler And	, Your	سع		PM: ine V	Valk	er					Fe	rier Tra dEx		√o(s)			COC No: 2305W3AFEA	0
Client Contact.	Phone 402-	y Your 871-5	7/2	E-M <u>M E</u>		e Wa	ılker@E	Eurofi	nsET	com			te of O wali	rigin				Page Page 1 of 1	
Company AECOM			PWSID		Τ				An	alys	is R	eque	sted					Job #	
Address 1001 Bishop St Suite 1600 City Honolulu	Due Date Request see subcontrac TAT Requested (d	t	Day		-	And the second s	10								/			Preservation Co A HCL B NaOH C Zn Acetate D Nitric Acid	odes  M Hexane N None O AsNaO2 P Na2O4S
State Zip: Hawali 96813 Phone: 808-954-4512 / 770-331-0794 Email:	Compliance Project PO # WO #	ct: A Yes	A No		or No)	No)	8015C_DAL_GL_D5/2-(2-butoxyethoxy)-ethanol						9	3			y	E NaHSO4 F MeOH G Amchlor H Ascorbic Acid I tce	Q Na2SO3 R Na2S2O3 S H2SO4 T TSP Dodecahydrate U Acetone
Watson Tanji (watson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com) Project Name CTO N6274223F0104 Site	Project #* 60697810 SSOW#			-	Sample (Yes or No)	(Yes or N	' 2-(2-buto:					(á					container	J DI Water K EDTA L EDA Other	V MCAA W pH 4-5 Z other (specify)
RHSF	33000				San	S	) DS		14	/1.	$\Lambda   Y$	۱۱					5		
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Al	eld Filtered	100000					51						Total Number	Special I	nstructions/Note
	$\geq \leq$	$\geq \leq$	Preserva	ation Code	$\mathbf{X}$	$\mathbf{X}$	Α							Ш			$\perp \!\!\! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$		
AF-RHMW17-WGN01LF-2305W3	5/19/23	1300	G	W	Ν	N	х	_		_		-	_			_	3	ļ	
	and the second second			and the second s			Angel australia est a carper and		***************************************						-	AND WAREHOUSE			
					Ц			_								_	ļ		
	( )	5	•		1			-		_	_	_	-	$\square$			-		
	30				H	$\dashv$		╁┈	$\vdash$	+	+	+	+	$\vdash$	-	-	ļ.,		
<u></u>	11910	<del>)</del>			+								-	$\vdash$			-		
3	, , , , , , , , , , , , , , , , , , ,				$\forall$		_	$\vdash$			+	_	-	H	+		+-		
and the same of th					П												T		
			Charles and the same of the sa				allentar variables			NAME OF TAXABLE PARTY.		-   -					and like		
Possible Hazard Identification  ■ Non-Hazard	Unknown		ological			San	ple Dis	spos	al (A	fee n	nay b	e ass	essec oosal l	lif sa	mple	s are r	etai	ned longer than hive For	1 month) Months
Deliverable Requested I, II, III, IV, Other (specify)	Prelim data (Le 4 report standar	vel 1or2)=se	e TAT abo		age												Aic	anive i oi	Wonats
Empty Kit Relinquished by		Date	CONECUI	O EUU.	Tin	ne							Meth	od of S	hipmeı	nt			
Relinquished by Andy Young OSUS	Date/Time   5/19/23/	142	5	Company AECOM		F	Received	bу <sup>.</sup>	رحرر	<b>*</b> ~~		_		1	Date/Ti	me <sup>.</sup> 9/23	;	1425	Company A ECOM
Relinquished by: 4	Date/Time 5/22/23	122	VO.	Company AECSY	1 ^		Received	by	10			—		Ī	Date/Ti			3 0950	Company
Relinquished by	Date/Time	V	<u>~U</u>	Company	<u>, , , , , , , , , , , , , , , , , , , </u>		Received	by.	7		7				Date/Ti		10	,	Company
Custody Seals Intact				<u> </u>		-	ooler Te	mpera	ture(s)	°C and	Other	Rema	ks					3.2/3.0	
4 100 4 110																		/-	Ver: 01/16/2019

5755 8th Street East Tacoma, WA 98424

## **Chain of Custody Record**

eurofins Environment Testin Ameria

Client Information	SamplerAndu	1 Yeur	Q	Lab F	·м: ne Wa	lker						Carrier T FedEx	Fracking	No(s)			COC No: 2305W3AFEA12	
Client Contact:	Phone // 2 - 5	371-57	717	E Ma	II:		-0.5		- C C			State of	Origin				Page	
Company	4000	371 3	PWSID	ME	aine	walk	er@E	uroiin				Hawai					Page 1 of 1 Job #	
AECOM	In. 5 . 5								Ana	alysis	Req	ueste	d		1 2	1	Preservation Cod	
Address 1001 Bishop St. Suite 1600	Due Date Requeste see subcontract													l I.	$/\!\!/$		A HCL	M Hexane
City Honolulu	TAT Requested (da	rys) Rush - 5	Day			-								X			B NaOH C Zn Acetate D Nitric Acid	N None O AsNaO2 P Na2O4S
State Zip: Hawaii 96813	Compliance Projec	t: Δ Yes	Δ No		11	than						4	44				E NaHSO4 F MeOH	Q Na2SO3 R Na2S2O3
Phone 808-954-4512 / 770-331-0794	PO#				وَ	hoxy)	: ]				1, 9		4				G Amchlor H Ascorbic Acid	S H2SO4 T TSP Dodecahydrate
Email Watson Tanji (watson tanji @aecom.com)/ Mark Kromis (mark.kromis@aecom.com)	WO #				Sample (Yes or I	toxyet				4	4 <i>Z</i> /	$\mathcal{L}$				ers	l Ice J DI Water K EDTA	U Acetone V MCAA W pH 4-5
Project Name <sup>-</sup> CTO N6274223F0104	Project #* 60697810				Se C	Pa Sp			/	W	1/1	17				container	L EDIA	Z other (specify)
Site: RHSF	ssow#·				Samp	D5/2			Q.	4.	1/2/	•				of cc	Other <sup>,</sup>	
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air) ttion Code	litered	> 8015C_DAI_GL_D5/ 2-(2-butoxyethoxy)-ethanol	_		1	1						X Total Number	Special In	structions/Note <sup>.</sup>
AF RHMW17S-WGN01LF-2305W3	5/19/23	1030	G	W	N	<del></del>	_		$\dashv$			$\top$			1	3		
AF RHMW17S-WQEB01-2305W3	5/19/13	1115	G	w	NI		-		+	-	H	$\dashv$			1	3		
	3111163		and the same of the same of the same of	in and the second		-			w05545 #85									
					$\vdash$	+	+			_	+		CHICAL PROPERTY.	Calculation of the Calculation o				
		1					and the second	- CONTRACTOR OF THE PARTY OF TH	DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NA		THE PERSON NAMED IN		-					
	20	1	>	ما المستقداد المان المستقد المستقد المستقد														
<i></i>	P(j	13	and the second second												ļ		*****	
	5/12	<u> </u>			Щ						$\perp$				_	Ш		
					Ш													
		والتقييلات والمحدود			anni da	_0_00-0	inox conjunitation	(Sinkingan)	anechado less		20-1-075500000	transmin de un			an mission to	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	ens-	
Possible Hazard Identification  Non-Hazard Flammable Skin Irritant Poison B	Unknown	radio	ological		s	amp.	le Dis <sub>l</sub> Returr	posa 1 To (	I ( A fi Client	ee ma	y be a	ssess Isposa	ed if s. Il By La	a <b>mples</b> ab	are re	etain Arch	ned longer than :	i month) Months
Deliverable Requested I, II, III, IV, Other (specify)	Prelim data (Lev 4 report standar	/el 1or2)=se	e TAT abo	ve DoD Sta	ge S	pecia	ıl Instr	uction	ns/QC	Requ	iremer	nts DO	OD QS	M proje	ct			
Empty Kit Relinquished by		Date	XXVIII CVIII	3 1.1717.	Time	)						Me	thod of	Shipment				
Relinquished by Andy Toung ast 5	Date/Time 5/19/23	142		Company AECOM		'	ceived b		48		2			Date/Tim 5/17/			1425	Company AECOM
Relinquished by ( Least San )	Date/Time 5/1	445	<del>2</del> 73€77	Company Arcoh	h	Red	ceived b	Ni mark	e	//	_			Date/Tink	24/	/23	3 0950	Company
Relinquished by	Date/Time			Company		Red	ceived b	y.		S. C.				Date/Tim	e		,	Company
Custody Seals Intact <sup>*</sup> Custody Seal No Δ Yes Δ No						Cod	oler Ten	nperati	ure(s) °	C and C	ther Re	marks			Ĵ	3.2	2/3.0	Ver <sup>.</sup> 01/16/2019

5755 8th Street East Tacoma, WA 98424

## **Chain of Custody Record**



Am rica

No.     No.     No.     No.     No.     No.	Client Information	Sampler Andu	1 Your	3	Lab P Elair	M: te W	alker		******		**************		Carri		ing No(s	)			COC No: 2305W3AFEA11		
West	Client Contact:	Phone. 402-5	371-5	712			lle M	ar@F	urofir	neFT	com				n						
Personal Process   Personal Pr	Company.	1 100			IVI CI	and	vvan	OIGL	LI OIII			ia Da					****				ᅥ
A HOLD   Machine   House   Machine	AECOM Address	Due Date Request	ed			-		1	Г	An	alys	IS RE	ques	tea	T		N		Preservation Cod	les	—
Rush - 5 Day   Rush	1001 Bishop St. Suite 1600																	- 1	A HCL	M Hexane	
## Sample Date    Sample Date   Sample Date   Sample   Sa	Honolulu	I A I Hequesiea (ai		Day							ĺ				,   _	I			C Zn Acetate	O AsNaO2	Ì
## Sample Date    Sample Date   Sample Date   Sample   Sa	State Zip Hawaii 96813	Compliance Projec	t; Δ Yes	Δ No			than						۱,	X				- 1	E NaHSO4	Q Na2SO3	
## Sample Date    Sample Date   Sample Date   Sample   Sa	Phone						- (vx						1		기						
## Sample Date    Sample Date   Sample Date   Sample   Sa	808-954-4512 / //0-331-0/94 Email.	WO#				S S	etho					1	¥)					- 1			/ate
## Sample Date    Sample Date   Sample Date   Sample   Sa	Watson Tanji (watson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com)	District II				se s	t oxo				<i>\</i>	1	(	27	1			ers	J DI Water	V MCAA	
## Sample Date    Sample Date   Sample Date   Sample   Sa	CTO N6274223F0104					Ole C	3 3				1	X	$  _{l_{a}}$					ıtai			
FRHMW17D-WGR01LF-2305W3  5/19/23 11 To G W N N X	Site RHSF	SSOW#				Samp	3 8				V	15	`						Other		
FRHMW17D-WGR01LF-2905W3  5/19/23 11/20 G W N N X				Sample		red	ត្ត   ថ											ğ	<del></del>		$\neg$
FRHMW17D-WGR01LF-2905W3  5/19/23 11/20 G W N N X					(W=water,	Filte	Ā										.				
FRHMW17D-WGR01LF-2905W3  5/19/23 11/20 G W N N X	Sample Identification	Sample Date			O-waste/oil	ield	0150											otal	Special In	structions/Notes	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)    Non-Hazard   Flammable   Skin Imitant   Polson B   Triknown   Tratticlogical     Prelim data (Level 1072)=see TAT above DoD Stage   Special Instructions/QC Requirements   DOD QSM project     Areond standard TAT A ECOM FOUR FOUR     Areond standard TAT A ECOM FOUR FOUR FOUR     Areond standard TAT A ECOM FOUR FOUR FOUR     Areond standard TAT A ECOM FOUR FOUR FOUR FOUR FOUR FOUR FOUR FOUR	oun pic identification	Sumple Bate				X	7				$\dashv$	+			_			Ź	Special III	structions/Note.	
Sille Hazard Identification  Sossible Hazard Identification  Non-Hazard  Flammable  Skin Initiant  Poison B  Ornknown  Fatilological  Prelim data (Level 10/2)-see TAT above Dob Stage Special Instructions/QC Requirements  Polyosal By Lab  Archive For  Months  Months  Prelim data (Level 10/2)-see TAT above Dob Stage Special Instructions/QC Requirements  Dobe Time  Months  Prelim data (Level 10/2)-see TAT above Dob Stage Special Instructions/QC Requirements  Dobe Time  Months  Prelim data (Level 10/2)-see TAT above Dob Stage Special Instructions/QC Requirements  Dobe Time  Months  Months  Prelim data (Level 10/2)-see TAT above Dob Stage Special Instructions/QC Requirements  Dobe Time  Months  Prelim data (Level 10/2)-see TAT above Dob Stage Special Instructions/QC Requirements  Months  Months  Prelim data (Level 10/2)-see TAT above Dob Stage Special Instructions/QC Requirements  Months  Prelim data (Level 10/2)-see TAT above Dob Stage  Received by  Months  Months  Date Time  Months  Months  Date Time  Date Time	AF RHMW17D-WGN01LF-2305W3	5/19/23	1140	G	w	N	v ×										Ť	3			
ossible Hazard Identification  Non-Hazard = Flammable   Skin Irritant   Poison B   Ortknown   Flatitological   Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)   Return 1 or Client   Disposal By Lab   Archive For   Months      Prelim data (Level 1or2)=see TAT above DoD Stage   A report standard TAT. AECOM EQUITED	AF-RHMW17D-WQFB01-2305W3			G	W	N 1	v x			7	T					П	Ť	3		W	乛
Ossible Hazard Identification  Non-Hazard Flammable Skin Irritant Poison B Onknown Fadiological Prelim data (Level 1or2)=see TAT above DoD Stage Special Instructions/QC Requirements DOD QSM project 4 report standard TAT. AECOM FOURS EDD.  Imply Kit Relinquished by:  Date Time Method of Shipment.  Date/Time Secreted by Date/Time Company AECOM Received by Date/Time Date/Time Company Becelved by Date/Time Company Received by Date/Time Received by Date/Time Company Received by Date/Time Received by					-									and the second				<b>3</b> 9.			一
Ossible Hazard Identification  Non-Hazard Flammable Skin Irritant Poison B Onknown Fadiological Prelim data (Level 1or2)=see TAT above DoD Stage Special Instructions/QC Requirements DOD QSM project 4 report standard TAT. AECOM FOURS EDD.  Imply Kit Relinquished by:  Date Time Method of Shipment.  Date/Time Secreted by Date/Time Company AECOM Received by Date/Time Date/Time Company Becelved by Date/Time Company Received by Date/Time Received by Date/Time Company Received by Date/Time Received by						十	十	<del>                                     </del>	$\vdash$				park and other sections		+			7			_
Ossible Hazard Identification  Non-Hazard Flammable Skin Irritant Poison B Onknown Fadiological Prelim data (Level 1or2)=see TAT above DoD Stage Special Instructions/QC Requirements DOD QSM project 4 report standard TAT. AECOM FOURS EDD.  Imply Kit Relinquished by:  Date Time Method of Shipment.  Date/Time Secreted by Date/Time Company AECOM Received by Date/Time Date/Time Company Becelved by Date/Time Company Received by Date/Time Received by Date/Time Company Received by Date/Time Received by			1		india.						+	$\dashv$			+	$\vdash$	$\dashv$	+			$\dashv$
Ossible Hazard Identification  Non-Hazard Flammable Skin Irritant Poison B Onknown Fadiological Prelim data (Level 1or2)=see TAT above DoD Stage Special Instructions/QC Requirements DOD QSM project 4 report standard TAT. AECOM FOURS EDD.  Imply Kit Relinquished by:  Date Time Method of Shipment.  Date/Time Secreted by Date/Time Company AECOM Received by Date/Time Date/Time Company Becelved by Date/Time Company Received by Date/Time Received by Date/Time Company Received by Date/Time Received by			1	-5	>	+	+		$\vdash$	_	+	$\dashv$	+		$\dashv$	$\vdash$	-+				
Ossible Hazard Identification  Non-Hazard Flammable Skin Irritant Poison B Onknown Fadiological Prelim data (Level 1or2)=see TAT above DoD Stage Special Instructions/QC Requirements DOD QSM project 4 report standard TAT. AECOM FOURS EDD.  Imply Kit Relinquished by:  Date Time Method of Shipment.  Date/Time Secreted by Date/Time Company AECOM Received by Date/Time Date/Time Company Becelved by Date/Time Company Received by Date/Time Received by Date/Time Company Received by Date/Time Received by				-		-	+	_	$\vdash$		-	$\dashv$	+		-	$\vdash$	$\dashv$	$\dashv$			
Non-Hazard Flammable Skin Irritant Poison B Onknown Hadiological Return To Client Disposal By Lab Archive For Months eliverable Requested I, II, III, IV, Other (specify) Prelim data (Level 1or2)=see TAT above DoD Stage 4 report standard TAT. AECOM FQuIS EDD.  Imply Kit Relinquished by:  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Company  Received by  Date/Time  Date/Time  Company  Received by  Date/Time  Company  Received by  Date/Time  Company  Received by  Date/Time  Company  Date/Time  Date/Time  Company  Date/Time  Date/			14/2-	<u> </u>		4	_	_	Ш					-			_	_			
Non-Hazard Flammable Skin Irritant Poison B Ortknown Hadiological Return To Client Disposal By Lab Archive For Months eliverable Requested I, II, III, IV, Other (specify) Prelim data (Level 1or2)=see TAT above DoD Stage 4 report standard TAT. AECOM FQuIS EDD.  Imply Kit Relinquished by:  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Company  Received by  Date/Time  Date/Time  Company  Received by  Date/Time  Company  Received by  Date/Time  Company  Date/Time  Date/Time  Company  Date/Time  Company  Date/Time	and the same of th	51				4	_	_	Ш								_	4			
Non-Hazard Flammable Skin Irritant Poison B Ortknown Hadiological Return To Client Disposal By Lab Archive For Months eliverable Requested I, II, III, IV, Other (specify) Prelim data (Level 1or2)=see TAT above DoD Stage 4 report standard TAT. AECOM FQuIS EDD.  Imply Kit Relinquished by:  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Company  Received by  Date/Time  Date/Time  Company  Received by  Date/Time  Company  Received by  Date/Time  Company  Date/Time  Date/Time  Company  Date/Time  Company  Date/Time																		$\perp$			
Non-Hazard Flammable Skin Irritant Poison B Onknown Hadiological Return To Client Disposal By Lab Archive For Months eliverable Requested I, II, III, IV, Other (specify) Prelim data (Level 1or2)=see TAT above DoD Stage 4 report standard TAT. AECOM FQuIS EDD.  Imply Kit Relinquished by:  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Date/Time  Company  Received by  Date/Time  Date/Time  Company  Received by  Date/Time  Company  Received by  Date/Time  Company  Received by  Date/Time  Company  Date/Time  Date/Time  Company  Date/Time  Date/		Action of the Control	and the second s	eriamona de la composición de la compo				Name and Administration		Contraction Contraction		in the second	- contrain			Constitution of	Margan I.	espectal.			
Prelim data (Level 1or2)=see TAT above DoD Stage   Special Instructions/QC Requirements DOD QSM project    ### Are profit standard TAT. AECOM FQUIS EDD.  ### Are profit standard TAT. AECOM FQUIS EDD.  ### Date Time   Date	Possible Hazard Identification					s	amp	le Dis	posa	I(A	fee m	ay be	asses	sed if	samp	les ai	re ret	taine	ed longer than		
A report standard TAT. AECOM FOulS EDD.  Date Time Method of Shipment.  Plinquished by: Date/Time S/19/23 /425 AECOM Sellinquished by: Date/Time Company AECOM AECOM AECOM Date/Time Company Received by Date/Time Company Date/Time Company Date/Time Company AECOM Date/Time Company S/12/23 0950 Company Date/Time Date/Time Company Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time Date/Tim					ve DoD Star							uirem	Dispo	sal By	Lab SM pr	oiect		\rch	ive For	Months	
Date/Time   Date/Time   S/19/23   1425   AECOM   Received by   S/19/23   1425   AECOM   S/19/23   AECOM		4 report standar	d TAT. AE	COM FQui	S EDD.				uotioi	10/00	71100	ian em			-				-		
S/22/23 1300 AECOW 5/24/23 0950 Shipting blinquished by:  Custody Seals Intact: Custody Seal No  A Yes A No  Cooler Temperatures of Cand Other Remarks  3.2/3.0	Empty Kit Helinquisned by	Date/Time +	Date		Compony	Time		nolwad b						Method						ICo	
S/22/23 1300 AECOW 5/24/23 0950 Shipting blinquished by:  Custody Seals Intact: Custody Seal No  A Yes A No  Cooler Temperatures of Cand Other Remarks  3.2/3.0	Andy Young aget I	5/19/23	1 142	5	AECOM		ne.	/ Colved to	.y 	R	_				S	19/	Z3		1425		
Date/Time Company  Custody Seals Intact: Δ Yes Δ No  Date/Time Company  Cooler Temperature(s) °C and Other Remarks  3. 2/3. 0	)_		3 12	$\alpha$		,	Re	ceived b	y/	/		Z			Date	Time.	1/2	3	0950	Company	
Δ Yes Δ No	Relinquished by:		<u>v 1/</u>				Re	ceived t	эу	/	//				Date	Time	70.		<u> </u>	Company	ᅥ
Δ Yes Δ No	Custody Seals Intact <sup>*</sup> Custody Seal No						Cod	oler Ten	nperati	urevs) '	°C and	Other F	Remarks			-		1		<u> </u>	
1 0111/10010										V.						<u>ر</u>	1, 2	<u>/3</u>	5.0	Ver 01/16/2019	

Client: AECOM Job Number: 580-127600-1

Login Number: 127600 List Source: Eurofins Seattle

List Number: 1

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	

Page 22 of 22

Eurofins Seattle