



ANALYTICAL REPORT

PREPARED FOR

Attn: Terri Choy
AECOM

1001 Bishop Street
Honolulu, Hawaii 96813

Generated 6/13/2023 11:33:44 AM

JOB DESCRIPTION

Red Hill - AFFF Assessment Sampling

JOB NUMBER

580-127963-1

Eurofins Seattle

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
6/13/2023 11:33:44 AM

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: Red Hill - AFFF Assessment Sampling

Job ID: 580-127963-1

Job ID: 580-127963-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE

Client: AECOM
Project: Red Hill - AFFF Assessment Sampling
Report Number: 580-127963-1

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 6/6/2023 4:30 PM. 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 4.0° 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-RHMW04-WGN01LF-2305W5 (580-127963-1), AF-RHMW06-WGN01LF-2305W5 (580-127963-2), AF-RHMW12A-WGN01LF-2305W5 (580-127963-3), AF-RHMW12A-WGFD01LF-2305W5 (580-127963-4) and AF-RHMW16-WGN01LF-2305W5 (580-127963-5) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 06/07/2023 and 06/08/2023.

2-(2-Butoxyethoxy)ethanol failed the recovery criteria high for the MSD of sample AF-RHMW04-WGN01LF-2305W5MSD (580-127963-1) in batch 680-782368. 2-(2-Butoxyethoxy)ethanol exceeded the RPD limit. The MS and associated LCS/LCSD were in control.

Internal standard (ISTD) response for the following sample was outside of acceptance limits due to being spiked twice by mistake: AF-RHMW04-WGN01LF-2305W5MS (580-127963-1 MS). The internal standard reagent was corrected so the final would calculate correctly.

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

Definitions/Glossary

Client: AECOM

Job ID: 580-127963-1

Project/Site: Red Hill - AFFF Assessment Sampling

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.
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: Red Hill - AFFF Assessment Sampling

Job ID: 580-127963-1

Client Sample ID: AF-RHMW04-WGN01LF-2305W5

Lab Sample ID: 580-127963-1

Date Collected: 05/31/23 09:55

Matrix: Water

Date Received: 06/06/23 16:30

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 J1	5.0	1.1	mg/L			06/07/23 22:43	1

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

Client Sample Results

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

Job ID: 580-127963-1

Client Sample ID: AF-RHMW06-WGN01LF-2305W5

Lab Sample ID: 580-127963-2

Date Collected: 05/31/23 11:40

Matrix: Water

Date Received: 06/06/23 16:30

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	5.0	1.1	mg/L			06/07/23 23:07	1

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

Client Sample Results

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

Job ID: 580-127963-1

Client Sample ID: AF-RHMW12A-WGN01LF-2305W5

Lab Sample ID: 580-127963-3

Date Collected: 05/31/23 09:20

Matrix: Water

Date Received: 06/06/23 16:30

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	5.0	1.1	mg/L			06/07/23 23:30	1

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

Client Sample Results

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

Job ID: 580-127963-1

Client Sample ID: AF-RHMW12A-WGFD01LF-2305W5

Lab Sample ID: 580-127963-4

Date Collected: 05/31/23 09:20

Matrix: Water

Date Received: 06/06/23 16:30

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	5.0	1.1	mg/L			06/07/23 23:53	1

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

Client Sample Results

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

Job ID: 580-127963-1

Client Sample ID: AF-RHMW16-WGN01LF-2305W5

Lab Sample ID: 580-127963-5

Date Collected: 05/31/23 12:10

Matrix: Water

Date Received: 06/06/23 16:30

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	5.0	1.1	mg/L			06/08/23 00:16	1

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

QC Sample Results

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

Job ID: 580-127963-1

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

Lab Sample ID: MB 680-782368/9
Matrix: Water
Analysis Batch: 782368

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U	5.0	1.1	mg/L			06/07/23 14:34	1

Lab Sample ID: LCS 680-782368/1005
Matrix: Water
Analysis Batch: 782368

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 680-782368/6
Matrix: Water
Analysis Batch: 782368

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	19.4		mg/L		97	50 - 150	5	50

Lab Sample ID: 580-127963-1 MS
Matrix: Water
Analysis Batch: 782368

Client Sample ID: AF-RHMW04-WGN01LF-2305W5
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 J1	20.0	13.6		mg/L		68	50 - 150

Lab Sample ID: 580-127963-1 MSD
Matrix: Water
Analysis Batch: 782368

Client Sample ID: AF-RHMW04-WGN01LF-2305W5
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 J1	20.0	32.6	J1	mg/L		163	50 - 150	82	50

Lab Chronicle

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

Job ID: 580-127963-1

Client Sample ID: AF-RHMW04-WGN01LF-2305W5

Lab Sample ID: 580-127963-1

Date Collected: 05/31/23 09:55

Matrix: Water

Date Received: 06/06/23 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	782368	DBM	EET SAV	06/07/23 22:43

Client Sample ID: AF-RHMW06-WGN01LF-2305W5

Lab Sample ID: 580-127963-2

Date Collected: 05/31/23 11:40

Matrix: Water

Date Received: 06/06/23 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	782368	DBM	EET SAV	06/07/23 23:07

Client Sample ID: AF-RHMW12A-WGN01LF-2305W5

Lab Sample ID: 580-127963-3

Date Collected: 05/31/23 09:20

Matrix: Water

Date Received: 06/06/23 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	782368	DBM	EET SAV	06/07/23 23:30

Client Sample ID: AF-RHMW12A-WGFD01LF-2305W5

Lab Sample ID: 580-127963-4

Date Collected: 05/31/23 09:20

Matrix: Water

Date Received: 06/06/23 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	782368	DBM	EET SAV	06/07/23 23:53

Client Sample ID: AF-RHMW16-WGN01LF-2305W5

Lab Sample ID: 580-127963-5

Date Collected: 05/31/23 12:10

Matrix: Water

Date Received: 06/06/23 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	782368	DBM	EET SAV	06/08/23 00:16

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 580-127963-1

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2463	09-22-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015C GLY		Water	2-(2-Butoxyethoxy)ethanol



Sample Summary

Client: AECOM

Job ID: 580-127963-1

Project/Site: Red Hill - AFFF Assessment Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-127963-1	AF-RHMW04-WGN01LF-2305W5	Water	05/31/23 09:55	06/06/23 16:30
580-127963-2	AF-RHMW06-WGN01LF-2305W5	Water	05/31/23 11:40	06/06/23 16:30
580-127963-3	AF-RHMW12A-WGN01LF-2305W5	Water	05/31/23 09:20	06/06/23 16:30
580-127963-4	AF-RHMW12A-WGFD01LF-2305W5	Water	05/31/23 09:20	06/06/23 16:30
580-127963-5	AF-RHMW16-WGN01LF-2305W5	Water	05/31/23 12:10	06/06/23 16:30

1

2

3

4

5

6

7

8

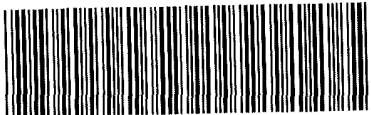
9

10

11

Chain of Custody Record

United AIRB 014 17288020

Client Information		Sampler: <u>Anthony Laycock</u>		Lab PM: <u>Elaine Walker</u>		Carrier Tracking No(s): <u>FEDEX</u>		COC No: <u>2305W5AFE08</u>											
Client Contact:		Phone: <u>206-450-7820</u>		E-Mail: <u>M.Elaine.Walker@EurofinsET.com</u>		State of Origin: <u>Hawaii</u>		Page: <u>Page 1 of 1</u>											
Company: <u>AECOM</u>				PWSID				Analysis Requested											
Address: <u>1001 Bishop St. Suite 1600</u>		Due Date Requested: <u>see subcontract</u>		TAT Requested (days): <u>Rush - 5 Day</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #		WO #		Project #		SSOW#		Job #			
City: <u>Honolulu</u>		State: <u>Hawaii</u>		Zip: <u>96813</u>		Phone: <u>808-954-4512 / 770-331-0794</u>		Email: <u>Watson Tanji (watson.tanji@aecom.com) / Mark Kromis (mark.kromis@aecom.com)</u>		Project Name: <u>CTO N6274223F0104</u>		Site: <u>RHSF</u>		Preservation Codes		Other:			
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8015C_DAL_GL_DS/2-(2-butoxyethoxy)-ethanol		Total Number of containers		Special Instructions/Note:	
AF RHMW04-WGN01LF-2305W5		5/31/23		0955		G		W		N		N		X		3			
 580-127963 Chain of Custody																			
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested I, II, III, IV, Other (specify)					Prelim data (Level 1or2)=see TAT above DoD Stage 4 report standard TAT. AECOM EQHS FDD.					Special Instructions/QC Requirements DOD QSM project									
Empty Kit Relinquished by:		Date		Time		Method of Shipment.													
Relinquished by: <u>Anthony Laycock</u>		Date/Time: <u>5/31/23 1230</u>		Company: <u>AECOM</u>		Received by: <u>[Signature]</u>		Date/Time: <u>5/31/23 1230</u>		Company: <u>AECOM</u>									
Relinquished by: <u>[Signature]</u>		Date/Time: <u>6/15/23 1500</u>		Company: <u>AECOM</u>		Received by: <u>[Signature]</u>		Date/Time: <u>6/16/23 1630</u>		Company: <u>[Signature]</u>									
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No				Cooler Temperature(s) °C and Other Remarks: <u>9.2/4.0</u>													

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

Chain of Custody Record



Environment Testing
 America

Unit & SWIS 016-17286080

Client Information		Sampler El Martin		Lab PM: Elaine Walker		Carrier Tracking No(s) FedEx		COC No 2305W5AFE05																													
Client Contact:		Phone 612-311-3612		E-Mail: M.Elaine.Walker@EurofinsET.com		State of Origin Hawaii		Page Page 1 of 1																													
Company AECOM		PWSID		Analysis Requested						Job #																											
Address: 1001 Bishop St Suite 1600		Due Date Requested see subcontract		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>8015C</td> <td>DAL</td> <td>GL</td> <td>D5/2-(2-butoxyethoxy)-ethanol</td> <td rowspan="4">EM 5/31/23</td> <td rowspan="4">Total Number of containers</td> </tr> <tr> <td>TAT Requested (days): Rush - 5 Day</td> <td>Compliance Project. Δ Yes Δ No</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PO #</td> <td>WO #</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Project # 60697810</td> <td>SSOW#</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015C	DAL	GL	D5/2-(2-butoxyethoxy)-ethanol	EM 5/31/23	Total Number of containers	TAT Requested (days): Rush - 5 Day	Compliance Project. Δ Yes Δ No					PO #	WO #					Project # 60697810	SSOW#					Preservation Codes	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015C	DAL							GL	D5/2-(2-butoxyethoxy)-ethanol	EM 5/31/23	Total Number of containers																								
TAT Requested (days): Rush - 5 Day	Compliance Project. Δ Yes Δ No																																				
PO #	WO #																																				
Project # 60697810	SSOW#																																				
City: Honolulu		Compliance Project. Δ Yes Δ No		A HCL M Hexane		B NaOH N None		C Zn Acetate O AsNaO2																													
State Zip: Hawaii 96813		PO #		D Nitric Acid P Na2O4S		E NaHSO4 Q Na2SO3		F MeOH R Na2S2O3																													
Phone 808-954-4512 / 770-331-0794		WO #		G Amchlor S H2SO4		H Ascorbic Acid T TSP Dodecahydrate		I Ice U Acetone																													
Email: Walson Tanji (walson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com)		Project # 60697810		J DI Water V MCAA		K EDTA W pH 4-5		L EDA Z other (specify)																													
Project Name: CTO N6274223F0104		SSOW#		Other:						Special Instructions/Note:																											
Site RHSF																																					
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Preservation Code:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8015C		DAL		GL		D5/2-(2-butoxyethoxy)-ethanol		Total Number of containers													
AF-RHMW12A-WGN01LF-2305W5		03/31/23		1920		G		W		N		N		X										3													
AF-RHMW12A-WGFD01LF-2305W5		03/31/23		0126		G		W		N		N		X										3													
		EM 5/31/23																																			
Possible Hazard Identification		<input checked="" type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																							
Deliverable Requested I, II, III, IV, Other (specify)		Prelim data (Level 1or2)=see TAT above DoD Stage 4 report standard TAT AECOM EQUIS EDD		Special Instructions/QC Requirements		DOD QSM project		<input type="checkbox"/> Return To Client		<input checked="" type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Archive For _____ Months																									
Empty Kit Relinquished by:		Date		Time		Method of Shipment:																															
Relinquished by: El Martin		Date/Time: 5/31/23 1330		AECOM		Received by: [Signature]		Date/Time: 5/31/23 1330		AECOM																											
Relinquished by: [Signature]		Date/Time: 6/5/23 1500		Company: AECOM		Received by: [Signature]		Date/Time: 6/6/23 1630		Company:																											
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																											
Custody Seals Intact		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks.																																	

4.2/4.0

Ver 01/16/2019

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-127963-1

Login Number: 127963

List Number: 1

Creator: Johnson, Corey M

List Source: Eurofins Seattle

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

