



ANALYTICAL REPORT

PREPARED FOR

Attn: Terri Choy
AECOM
1001 Bishop Street
Honolulu, Hawaii 96813
Generated 1/4/2023 1:29:26 PM

JOB DESCRIPTION

Red Hill - AFFF Assessment Sampling

JOB NUMBER

580-121097-1

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

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

Authorization



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Authorized for release by
Marie Walker, Senior Project Manager
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Table of Contents

Cover Page	1
Table of Contents	3
Case Narrative	4
Definitions	6
Client Sample Results	7
QC Sample Results	13
Chronicle	15
Certification Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	20

Case Narrative

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

Job ID: 580-121097-1

Job ID: 580-121097-1

Laboratory: Eurofins Seattle

Narrative

checking RPD limit for DUP and triplicate

CASE NARRATIVE

Client: AECOM
Project: Red Hill - AFFF Assessment Sampling
Report Number: 580-121097-1

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.

Following DoD QSM guidelines, manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: Q-S-002. The reason(s) for manual integration have been documented on the affected chromatogram(s), which is/are provided in the raw data package. The raw data also includes the original chromatogram(s) prior to any manual integration being performed. Manual integrations are detailed in the manual integration summary forms following this narrative.

It should be noted that samples with elevated Limits of Quantitation (LOQs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the LOQs 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 12/09/2022; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.5 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 ADIT6-DU01-SON02MI-22DEC (580-121097-1), ADIT6-DU02-SON02MI-22DEC (580-121097-4) and ADIT6-DU03-SON02MI-22DEC (580-121097-7) were analyzed for glycols in accordance with EPA SW-846 Method 8015C DAI. The samples were leached on 12/16/2022 and analyzed on 12/16/2022 and 12/19/2022.

Sample ADIT6-DU03-SON02MI-22DEC (580-121097-7)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 680-755493 and analytical batch 680-755535 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected. The associated laboratory control sample (LCS) recovery is within acceptance limits.

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

PERCENT SOLIDS

Samples ADIT6-DU01-SON02MI-22DEC (580-121097-1), ADIT6-DU02-SON02MI-22DEC (580-121097-4) and ADIT6-DU03-SON02MI-22DEC (580-121097-7) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 12/16/2022.

Case Narrative

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

Job ID: 580-121097-1

Job ID: 580-121097-1 (Continued)

Laboratory: Eurofins Seattle (Continued)

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: 580-121097-1

Project/Site: Red Hill - AFFF Assessment Sampling

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	The reported value is from a dilution.
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: 580-121097-1

Client Sample ID: ADIT6-DU01-SON02MI-22DEC

Lab Sample ID: 580-121097-1

Date Collected: 12/07/22 12:40

Matrix: Solid

Date Received: 12/09/22 09:25

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.9		0.01	0.01	%			12/16/22 14:29	1
Percent Solids (EPA Moisture)	87.1		0.01	0.01	%			12/16/22 14:29	1

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Client Sample Results

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

Job ID: 580-121097-1

Client Sample ID: ADIT6-DU01-SON02MI-22DEC

Lab Sample ID: 580-121097-1

Date Collected: 12/07/22 12:40

Matrix: Solid

Date Received: 12/09/22 09:25

Percent Solids: 87.1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	2.5	U	8.2	1.0	mg/Kg	☼		12/16/22 23:09	1

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Client Sample Results

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

Job ID: 580-121097-1

Client Sample ID: ADIT6-DU02-SON02MI-22DEC

Lab Sample ID: 580-121097-4

Date Collected: 12/07/22 12:55

Matrix: Solid

Date Received: 12/09/22 09:25

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.0		0.01	0.01	%			12/16/22 14:29	1
Percent Solids (EPA Moisture)	84.0		0.01	0.01	%			12/16/22 14:29	1

Client Sample Results

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

Job ID: 580-121097-1

Client Sample ID: ADIT6-DU02-SON02MI-22DEC

Lab Sample ID: 580-121097-4

Date Collected: 12/07/22 12:55

Matrix: Solid

Date Received: 12/09/22 09:25

Percent Solids: 84.0

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	40	J1	8.3	1.0	mg/Kg	☼		12/16/22 23:54	1

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Client Sample Results

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

Job ID: 580-121097-1

Client Sample ID: ADIT6-DU03-SON02MI-22DEC

Lab Sample ID: 580-121097-7

Date Collected: 12/07/22 13:50

Matrix: Solid

Date Received: 12/09/22 09:25

General Chemistry

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.2		0.01	0.01	%			12/16/22 14:29	1
Percent Solids (EPA Moisture)	85.8		0.01	0.01	%			12/16/22 14:29	1

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Client Sample Results

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

Job ID: 580-121097-1

Client Sample ID: ADIT6-DU03-SON02MI-22DEC

Lab Sample ID: 580-121097-7

Date Collected: 12/07/22 13:50

Matrix: Solid

Date Received: 12/09/22 09:25

Percent Solids: 85.8

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	250	J1	5.6	0.69	mg/Kg	☼		12/16/22 23:31	1

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

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	210	D	110	14	mg/Kg	☼		12/19/22 14:53	20



QC Sample Results

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

Job ID: 580-121097-1

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

Lab Sample ID: MB 680-755493/1-A
Matrix: Solid
Analysis Batch: 755535

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	1.5	U	4.9	0.60	mg/Kg			12/16/22 20:53	1

Lab Sample ID: LCS 680-755493/2-A
Matrix: Solid
Analysis Batch: 755535

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-(2-Butoxyethoxy)ethanol	9.94	7.96		mg/Kg		80	50 - 150

Lab Sample ID: LCSD 680-755493/3-A
Matrix: Solid
Analysis Batch: 755535

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-(2-Butoxyethoxy)ethanol	9.94	6.35		mg/Kg		64	50 - 150	23	50

Lab Sample ID: 580-121097-4 MS
Matrix: Solid
Analysis Batch: 755535

Client Sample ID: ADIT6-DU02-SON02MI-22DEC
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-(2-Butoxyethoxy)ethanol	40	J1	10.9	30.5	J1	mg/Kg	⊛	-88	50 - 150

Lab Sample ID: 580-121097-4 MSD
Matrix: Solid
Analysis Batch: 755535

Client Sample ID: ADIT6-DU02-SON02MI-22DEC
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-(2-Butoxyethoxy)ethanol	40	J1	11.1	36.4	J1	mg/Kg	⊛	-32	50 - 150	18	50

Lab Sample ID: 580-121097-4 DU
Matrix: Solid
Analysis Batch: 755535

Client Sample ID: ADIT6-DU02-SON02MI-22DEC
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
2-(2-Butoxyethoxy)ethanol	40	J1	25.8		mg/Kg	⊛	43	50

Lab Sample ID: 580-121097-4 TRL
Matrix: Solid
Analysis Batch: 755535

Client Sample ID: ADIT6-DU02-SON02MI-22DEC
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	TRL Result	TRL Qualifier	Unit	D	RSD	RSD Limit
2-(2-Butoxyethoxy)ethanol	40	J1	48.4		mg/Kg	⊛	30	50

QC Sample Results

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

Job ID: 580-121097-1

Method: Moisture - Percent Moisture

Lab Sample ID: 580-121097-4 DU

Matrix: Solid

Analysis Batch: 755516

Client Sample ID: ADIT6-DU02-SON02MI-22DEC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16.0		14.7		%		9	20
Percent Solids	84.0		85.3		%		2	20

Lab Sample ID: 580-121097-4 TRL

Matrix: Solid

Analysis Batch: 755516

Client Sample ID: ADIT6-DU02-SON02MI-22DEC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	TRL Result	TRL Qualifier	Unit	D	RSD	RSD Limit
Percent Moisture	16.0		15.3		%		4	
Percent Solids	84.0		84.7		%		0.8	

Lab Chronicle

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

Job ID: 580-121097-1

Client Sample ID: ADIT6-DU01-SON02MI-22DEC

Lab Sample ID: 580-121097-1

Date Collected: 12/07/22 12:40

Matrix: Solid

Date Received: 12/09/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755516	KF	EET SAV	12/16/22 14:29

Client Sample ID: ADIT6-DU01-SON02MI-22DEC

Lab Sample ID: 580-121097-1

Date Collected: 12/07/22 12:40

Matrix: Solid

Date Received: 12/09/22 09:25

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			755493	GEM	EET SAV	12/16/22 12:26
Soluble	Analysis	8015C GLY		1	755535	JCK	EET SAV	12/16/22 23:09

Client Sample ID: ADIT6-DU02-SON02MI-22DEC

Lab Sample ID: 580-121097-4

Date Collected: 12/07/22 12:55

Matrix: Solid

Date Received: 12/09/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755516	KF	EET SAV	12/16/22 14:29

Client Sample ID: ADIT6-DU02-SON02MI-22DEC

Lab Sample ID: 580-121097-4

Date Collected: 12/07/22 12:55

Matrix: Solid

Date Received: 12/09/22 09:25

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			755493	GEM	EET SAV	12/16/22 12:26
Soluble	Analysis	8015C GLY		1	755535	JCK	EET SAV	12/16/22 23:54

Client Sample ID: ADIT6-DU03-SON02MI-22DEC

Lab Sample ID: 580-121097-7

Date Collected: 12/07/22 13:50

Matrix: Solid

Date Received: 12/09/22 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755516	KF	EET SAV	12/16/22 14:29

Client Sample ID: ADIT6-DU03-SON02MI-22DEC

Lab Sample ID: 580-121097-7

Date Collected: 12/07/22 13:50

Matrix: Solid

Date Received: 12/09/22 09:25

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			755493	GEM	EET SAV	12/16/22 12:26
Soluble	Analysis	8015C GLY		1	755535	JCK	EET SAV	12/16/22 23:31
Soluble	Leach	DI Leach	DL		755493	GEM	EET SAV	12/16/22 12:26
Soluble	Analysis	8015C GLY	DL	20	755899	JCK	EET SAV	12/19/22 14:53

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: 580-121097-1

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		Solid	2-(2-Butoxyethoxy)ethanol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Sample Summary

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

Job ID: 580-121097-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-121097-1	ADIT6-DU01-SON02MI-22DEC	Solid	12/07/22 12:40	12/09/22 09:25
580-121097-4	ADIT6-DU02-SON02MI-22DEC	Solid	12/07/22 12:55	12/09/22 09:25
580-121097-7	ADIT6-DU03-SON02MI-22DEC	Solid	12/07/22 13:50	12/09/22 09:25

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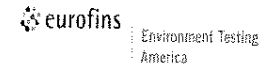
9

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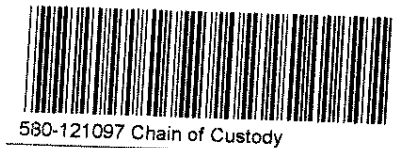
11

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

Chain of Custody Record



Client Information		Sampler: <i>George Sauer</i>		Lab PM: Elaine Walker		Carrier Tracking No(s): FedEx		COC No: 2212W1EU-05	
Client Contact: Watson Tanji		Phone: 808 954 4512		E-Mail: M.Elaine.Walker@EurofinsET.com		State of Origin: Hawaii		Page 1 of 1	
Company: AECOM		PWSID:		Analysis Requested		Job #		Preservation Codes:	
Address: 1001 Bishop St. Suite 1600		Due Date Requested: see subcontract		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8015C, DM, CL, D5r 2, (pbuoxoxyethoxy)-ahlanol		Total Number of containers 1 1 1		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA	
City: Honolulu		TAT Requested (days): Rush - ASAP						M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
State, Zip: Hawaii 96813		Compliance Project: Yes No						Other:	
Phone: 808-954-4512		PO #						Special Instructions/Note:	
Email: Watson Tanji (watson.tanji@aecom.com)		WO #							
Project Name: N6274223F0104		Project #: 60697810							
Site: RH5F		SSOW#							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, T=tissue, A=air)	
ADIT6-DU01-SON02MI-22DEC		12/7/22		1240		G S		N N x	
ADIT6-DU02-SON02MI-22DEC		12/7/22		1255		G S		N N x	
ADIT6-DU03-SON02MI-22DEC		12/7/22		1350		G S		N N x	
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 EQUIS FRD Special Instructions/QC Requirements: DOD QSM project.	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <i>Alex Edmonds</i>		Date/Time: 12/7/22 1510		Company: AECOM		Received by: <i>Alex Edmonds</i>		Date/Time: 12/7/22 1300	
Relinquished by: <i>Alex Edmonds</i>		Date/Time: 12/8/22 1740		Company: AECOM		Received by: <i>Alex Edmonds</i>		Date/Time: 12/9/22 0903	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 15 0.5/0.4					



Ver: 01/16/2019



United States
Department of
Agriculture

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737


**Permit to Receive Soil
Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system.

PERMITTEE NAME:	Justin Mckell	PERMIT NUMBER:	P330-22-00078
COMPANY:	Eurofins Environment Testing Northwest	APPLICATION NUMBER:	P525-220525-003
ADDRESS:	5755 8th St E Fife, WA 98424	DATE ISSUED:	07/14/2022
MAILING ADDRESS:	5755 8th St E Fife, WA 98424	EXPIRES:	12/31/2022
PHONE:	(253) 248-4969	HAND CARRY:	No
ALT. PHONE:	253-217-6363	FACILITY NUMBER:	6348
EMAIL:	justin.mckell@et.eurofinsus.com	FACILITY ACCOUNT:	TestAmerica Lab(s), Inc.
FAX:		RESEARCH CENTER:	
		FACILITY NAME:	Eurofins Environment Testing Northwest
		FACILITY ADDRESS:	5755 8th Street East Tacoma, Washington 98424
		FACILITY GPS:	
		MAIL ADDRESS:	5755 8th Street East Tacoma, Washington 98424 Justin Mckell
		FACILITY CONTACT:	
		PHONE:	253-248-4969
		FAX:	
		EMAIL:	justin.mckell@et.eurofinsus.com

PORTS OF ARRIVAL/PLANT INSPECTION STATIONS: AK, Anchorage; AL, Huntsville; AL, Mobile; AZ, Douglas; AZ, Lukeville; AZ, Naco; AZ, Nogales; AZ, Phoenix; AZ, San Luis; AZ, Tucson; CA, Calexico; CA, El Segundo; CA, Fresno; CA, Long Beach; CA, Oakland; CA, Ontario; CA, Otay Mesa; CA, Port Hueme; CA, Sacramento; CA, San Diego; CA, San Jose; CA, San Ysidro; CA, South San Francisco; CA, Tecate; CO, Denver; CT, Hartford; CT, New Haven; DE, Dover; DE, Wilmington; FL, Ft. Lauderdale; FL, Ft. Myers; FL, Ft. Pierce; FL, Jacksonville; FL, Key West; FL, Miami; FL, Miami (Cargo, DHL, Fed Ex, UPS, etc.); FL, Orlando; FL, Pensacola; FL, Port Canaveral; FL, Port Everglades; FL, Sanford; FL, Tampa; FL, West Palm Beach; GA, Atlanta; GA, Savannah; GU, Agana; HI, Hilo; HI, Honolulu; HI, Kahului; HI, Kailua-Kona; HI, Lihue; ID, Eastport; IL, Chicago; IN, Indianapolis; KY, Louisville; MA, South Boston; MD, Baltimore; MD, Laurel; ME, Bangor; ME, Calais; ME, Houlton; ME, Portland; MI, Detroit; MI, Port Huron; MI, Romulus; MI, Sault Saint Marie; MN, Duluth; MN, Grand Portage; MN, International Falls; MN, Mincneapolis; MO, Kansas City; MO, St. Louis; MP, Commonwealth of the Northern Mariana Islands; MS, Gulfport; MS, Port Bienville; MT, Raymond; MT, Roosville; MT, Sweetgrass; NC, Raleigh; NC, Wilmington; ND, Dunsceith; ND, Pembina; ND, Portal; NJ, Linden; NM, Albuquerque; NM, Columbus; NM, Santa Teresa; NV, Las Vegas; NY, Albany; NY, Alexandria Bay; NY, Brooklyn; NY, Buffalo; NY, Champlain; NY, Jamaica; NY, Newburgh; NY, Rouses Point; OH, Ashabula; OH, Cincinnati; OH, Cleveland; OH, Columbus; OH, Toledo; OH, Wilmington; OK, Oklahoma City; OR, Portland; PA, Allentown; PA, Harrisburg; PA, Philadelphia; PA, Pittsburgh; PA, Scranton; PR, Aguadilla; PR,

Permit Number P330-22-00078

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
 Gibbs Smith	07/14/2022

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)



Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-121097-1

Login Number: 121097

List Source: Eurofins Seattle

List Number: 1

Creator: Groves, Elizabeth

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	True	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-121097-1

Login Number: 121097

List Number: 2

Creator: Givens, Keshia

List Source: Eurofins Savannah

List Creation: 12/14/22 12:25 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	N/A	Some samples did not have any labels.
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	



Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-121097-1

Login Number: 121097

List Number: 3

Creator: Johnson, Corey M

List Source: Eurofins Savannah

List Creation: 12/16/22 09:52 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	