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PREPARED FOR

Attn: Terri Choy AECOM 1001 Bishop Street Honolulu, Hawaii 96813 Generated 7/19/2023 7:48:57 PM

JOB DESCRIPTION

Red Hill - AFFF Assessment Sampling

ANALYTICAL REPORT

JOB NUMBER

580-129326-1

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 7/19/2023 7:48:57 PM

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

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Client: AECOM

Project/Site: Red Hill - AFFF Assessment Sampling

Laboratory Job ID: 580-129326-1

Table of Contents

| Cover Page | 1 |
|-----------------------|----|
| Table of Contents | 3 |
| Case Narrative | 4 |
| Definitions | 5 |
| Client Sample Results | 6 |
| QC Sample Results | 12 |
| Chronicle | 13 |
| Certification Summary | 14 |
| Sample Summary | 15 |
| Chain of Custody | 16 |
| Receint Checklists | 20 |

Case Narrative

Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-129326-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE

Client: AECOM
Project: Red Hill - AFFF Assessment Sampling
Report Number: 580-129326-1

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

Six samples were received on 7/12/2023 10:03 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 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-RHMW12A-WGN01LF-2307 (580-129326-1), AF-RHMW12A-WGFD01LF-2307 (580-129326-2), AF-RHMW16-WGN01LF-2307 (580-129326-3), AF-RHMW17-WGN01LF-2307 (580-129326-4), AF-RHMW17D-WGN01LF-2307 (580-129326-5) and AF-RHMW17D-WQFB01-2307 (580-129326-6) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 07/17/2023.

The continuing calibration verification (CCV) associated with batch 680-788635 recovered above the upper control limit for 2-(2-Butoxyethoxy)ethanol. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data has been reported. The associated samples are impacted: AF-RHMW12A-WGN01LF-2307 (580-129326-1), AF-RHMW12A-WGFD01LF-2307 (580-129326-2), AF-RHMW16-WGN01LF-2307 (580-129326-3), AF-RHMW17-WGN01LF-2307 (580-129326-4), AF-RHMW17D-WGN01LF-2307 (580-129326-5), and AF-RHMW17D-WQFB01-2307 (580-129326-6).

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

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Eurofins Seattle 7/19/2023

Definitions/Glossary

Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Qualifiers

GC Semi VOA

 Qualifier
 Qualifier Description

 M
 Manual integrated compound.

 Q
 One or more quality control criteria failed.

 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)

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

Eurofins Seattle

Page 5 of 20 7/19/2023

Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW12A-WGN01LF-2307 Lab Sample ID: 580-129326-1

Date Collected: 07/07/23 09:30 Lab Sample 15. 300-123320-1

Date Received: 07/12/23 10:03

| Method: SW846 8015C | GLY - Glycol | s- Direct Inie | ction (GC/FID) |
|---------------------|--------------------------------|----------------|----------------|
| | . - ., - | | |

| Analyte | Result Qualifier | LOQ | DL Unit | D | Prepared | Analyzed | Dil Fac | |
|---------------------------|------------------|-----|----------|---|----------|----------------|---------|--|
| 2-(2-Butoxyethoxy)ethanol | 30 UMO | 5.0 | 1.1 mg/l | | | 07/17/23 19:29 | 1 | |

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Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW12A-WGFD01LF-2307 Lab Sample ID: 580-129326-2

Date Collected: 07/07/23 09:30 East Sample 15: 300-123020-2

Date Received: 07/12/23 10:03

| | Method: SW846 80150 | GLY - G | lycols- Direct | Injection | (GC/FID) |
|--|---------------------|---------|----------------|-----------|----------|
|--|---------------------|---------|----------------|-----------|----------|

| Analyte | Result Qualifier | LOQ | DL Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|------------------|-----|----------|---|----------|----------------|---------|
| 2-(2-Butoxyethoxy)ethanol | 30 IIMO | 5.0 | 1.1 mg/l | | | 07/17/23 19:52 | 1 |

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Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW16-WGN01LF-2307 Lab Sample ID: 580-129326-3

Date Collected: 07/07/23 12:55 **Matrix: Water**

Date Received: 07/12/23 10:03

| Analyte | Result Qualifier | LOQ | DL Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|------------------|-----|----------|---|----------|----------------|---------|
| 2-(2-Butoxyethoxy)ethanol | 30 UQ | 5.0 | 1.1 mg/l | | | 07/17/23 20:15 | 1 |

Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17-WGN01LF-2307 Lab Sample ID: 580-129326-4

Date Collected: 07/07/23 10:35

Date Received: 07/12/23 10:03

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

| Analyte | Result C | Qualifier | LOQ | DL Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|----------|-----------|-----|----------|---|----------|----------------|---------|
| 2-(2-Butoxyethoxy)ethanol | 30 [| IMO | 5.0 | 1 1 mg/l | | | 07/17/23 20:38 | 1 |

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Eurofins Seattle

Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17D-WGN01LF-2307 Lab Sample ID: 580-129326-5

Date Collected: 07/07/23 14:55

Date Received: 07/12/23 10:03

| Analyte | Result Qualifier | LOQ | DL Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|------------------|-----|----------|---|----------|----------------|---------|
| 2-(2-Butoxyethoxy)ethanol | 30 UQ | 5.0 | 1.1 mg/l | | | 07/17/23 21:01 | 1 |

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Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17D-WQFB01-2307 Lab Sample ID: 580-129326-6

Date Collected: 07/07/23 14:00 Matrix: Water

Date Received: 07/12/23 10:03

| 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 UO | 5.0 | 1.1 mg/l | | | 07/17/23 21:24 | 1 |

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QC Sample Results

Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

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

Lab Sample ID: MB 680-788635/11 **Client Sample ID: Method Blank Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 788635

| | MR | MR | | | | | | | |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | LOQ | DL | Unit | D | Prepared | Analyzed | Dil Fac |
| 2-(2-Butoxyethoxy)ethanol | 3.0 | U | 5.0 | 1.1 | mg/L | | | 07/17/23 19:06 | 1 |

Lab Sample ID: LCS 680-788635/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 788635

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------------|----------|--------|-----------|------|---|------|----------|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 2-(2-Butoxyethoxy)ethanol | 20.0 | 24.0 | | mg/L | | 120 | 50 - 150 | - |

Lab Sample ID: LCSD 680-788635/6 **Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 788635

| Alialysis Datcii. 100000 | | | | | | | | | |
|---------------------------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| 2-(2-Butoxyethoxy)ethanol | 20.0 | 26.6 | | mg/L | | 133 | 50 - 150 | 10 | 50 |

7/19/2023

Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW12A-WGN01LF-2307

Lab Sample ID: 580-129326-1

Date Collected: 07/07/23 09:30 Date Received: 07/12/23 10:03

Matrix: Water

Batch Dilution Ratch Batch Prepared Method Number Analyst or Analyzed **Prep Type** Type Run **Factor** Lab Total/NA 8015C GLY JCK EET SAV 07/17/23 19:29 Analysis 788635

Client Sample ID: AF-RHMW12A-WGFD01LF-2307 Lab Sample ID: 580-129326-2

Date Collected: 07/07/23 09:30 **Matrix: Water**

Date Received: 07/12/23 10:03

Client: AECOM

Batch Batch Dilution Batch **Prepared Prep Type** Type Method Run **Factor Number Analyst** Lab or Analyzed 07/17/23 19:52 Total/NA Analysis 8015C GLY 788635 JCK EET SAV

Client Sample ID: AF-RHMW16-WGN01LF-2307 Lab Sample ID: 580-129326-3 **Matrix: Water**

Date Collected: 07/07/23 12:55 Date Received: 07/12/23 10:03

Batch Batch Dilution Batch Prepared or Analyzed **Prep Type** Method **Factor Number Analyst** Type Run Lab 07/17/23 20:15 EET SAV Total/NA Analysis 8015C GLY 788635 JCK

Client Sample ID: AF-RHMW17-WGN01LF-2307 Lab Sample ID: 580-129326-4

Date Collected: 07/07/23 10:35 **Matrix: Water**

Date Received: 07/12/23 10:03

Batch Batch Dilution Batch Prepared **Prep Type** Method **Number Analyst** or Analyzed Type Run **Factor** Lab Analysis 8015C GLY 788635 JCK EET SAV 07/17/23 20:38 Total/NA

Client Sample ID: AF-RHMW17D-WGN01LF-2307 Lab Sample ID: 580-129326-5

Date Collected: 07/07/23 14:55 **Matrix: Water**

Date Received: 07/12/23 10:03

Batch Batch Dilution Batch Prepared Method Number Analyst or Analyzed **Prep Type** Type Run **Factor** Lab 07/17/23 21:01 Total/NA Analysis 8015C GLY 788635 JCK **EET SAV**

Client Sample ID: AF-RHMW17D-WQFB01-2307 Lab Sample ID: 580-129326-6

Date Collected: 07/07/23 14:00 **Matrix: Water**

Date Received: 07/12/23 10:03

Ratch Dilution Batch **Prepared** Batch **Prep Type** Type Method Run Factor Number Analyst or Analyzed Lab 07/17/23 21:24 Total/NA Analysis 8015C GLY 788635 JCK EET SAV

Laboratory References:

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

Accreditation/Certification Summary

Client: AECOM Job ID: 580-129326-1

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 | rogram | Identification Number | Expiration Date |
|-----------------------|--|----------------------------------|--|---|
| ANAB | De | ept. of Defense ELAP | L2463 | 09-22-24 |
| The following englyte | والمراجع المراجع المرا | | | |
| the agency does not | | ort, but the laboratory is not o | certified by the governing authority. | This list may include analytes for whic |
| , | | ort, but the laboratory is not o | certified by the governing authority. Analyte | This list may include analytes for whic |

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Sample Summary

Client: AECOM Job ID: 580-129326-1

Project/Site: Red Hill - AFFF Assessment Sampling

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|--------------------------|--------|----------------|----------------|
| 580-129326-1 | AF-RHMW12A-WGN01LF-2307 | Water | 07/07/23 09:30 | 07/12/23 10:03 |
| 580-129326-2 | AF-RHMW12A-WGFD01LF-2307 | Water | 07/07/23 09:30 | 07/12/23 10:03 |
| 580-129326-3 | AF-RHMW16-WGN01LF-2307 | Water | 07/07/23 12:55 | 07/12/23 10:03 |
| 580-129326-4 | AF-RHMW17-WGN01LF-2307 | Water | 07/07/23 10:35 | 07/12/23 10:03 |
| 580-129326-5 | AF-RHMW17D-WGN01LF-2307 | Water | 07/07/23 14:55 | 07/12/23 10:03 |
| 580-129326-6 | AF-RHMW17D-WQFB01-2307 | Water | 07/07/23 14:00 | 07/12/23 10:03 |

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5755 8th Street East Tacoma, WA 98424

Chain of Custody Record

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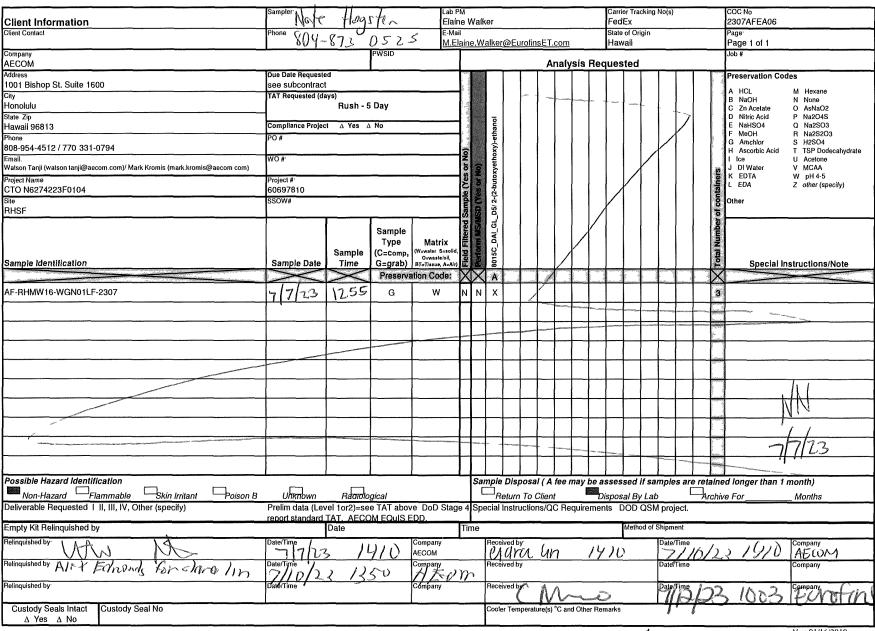
Environment Testing America

| Client Information | Sampler | Not | e II | pasta | Lab Elai | | Valke | r | | | | | | rrier Tra | acking | No(s) | | | | COC № 2307AFEA05 |
|--|-----------|-------------------------|----------------|---------------------------------------|--|----------------|--------------|---|---------|---|--------------|-------------|---|-----------------------|----------|-------------|--------------------------------------|----------------|---------------|--|
| Client Contact. | Phone | (1) | 4-87 | 3-052 | 5 E-M | | e.Wal | lker@ | Euro | finsET | .com | | | ite of O awaii | rigin | | | | ٦ | Page Page 1 of 1 |
| Company AECOM | | 110 | 1 | PWSID | | T | | | | | | sis R | | | 1 | | | | | Job# |
| Address | | le Request | | .1 | | G | | Т | Т | | .α. , | 1 | Jun | | <u> </u> | П | П | | | Preservation Codes |
| 1001 Bishop St Suite 1600 City | | bcontract quested (d | | | | | | | L | | | | | | | | | | (i) | A HCL M Hexane B NaOH N None |
| Honolulu | | questeu (u | Rush - | 5 Day | | - Sanda | | | | | | . Andrews . | *************************************** | Olimon Edition (V 62) | | · squareman | | 21 | - Contraction | C Zn Acetate O AsNaO2 |
| State Zip: Hawaii 96813 | Complia | ance Proje | ct A Yes | Δ Νο | | - | | lanol | | | | | | | | | 1 | | artition and | D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 |
| Phone 808-954-4512 / 770-331-0794 | PO # | | | | | L | | y)-et | | | | | | | | | | | - Walde | F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate |
| Email | WO# | | | ·/· | | 18 | | eth 0 | | | | | ļ | | \vee | | | 1 | to Brahme | I Ice U Acetone |
| Watson Tanji (watson tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com) Project Name | Project / | 4 | | | | - Sa | Ë | toxy | | | | | | | 1 | | | | Jers | J DI Water V MCAA K EDTA W pH 4-5 |
| CTO N6274223F0104 | 60697 | 810 | | | | Je (λ | 8 | (2-b) | | | | | | 1 | | | | | i <u>a</u> | L EDA Z other (specify) |
| Site RHSF | SSOW# | | | | | d Lex | ā | 05/2 | | | | | 1 | | | | | | oj co | Other |
| Sample Identification | Samp | ole Date | Sample Time | Sample Type (C=comp, G=grab) | O=waste/oil, BT=Tissue, A=Air | Field Filtered | WARRISON NO. | 8015C_DAL_GL_D5/ 2-(2-butoxyethoxy)-ethanol | | | | | | | | | | | Total Number | Special Instructions/Note |
| | | $ \leq$ | >< | Preserv | ation Code: | X | X | A | | \mathcal{L} | | | _ | | 5 | | | | \boxtimes | |
| AF-RHMW12A WGN01LF-2307 | 171 | 1/23 | 1930 | G | w | Ν | N | Х | \perp | 4_ | | | | | | | | | 3 | |
| AF-RHMW12A WGFD01LF 2307 | 17/ | 1/13 | 13930 | G | w | N | N | х | 4 | Conductive and Conductive Assessment | | · | Personal Property | | | | | kadi | 3 | |
| | 1 | | | | | | П | | | | | | | | | - | Name and Address of the Owner, where | | | |
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| Committee of the commit | | | | | | \downarrow | _ 58 | 30-12 | 29320 | 3 Cha | IN OI | Cusic | Juy | | | | 4 | None Contract | لے | 7/7/25 |
| | | | | | | | | | | | | | 1. | | | | | | | |
| Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B | . [| Unknown | □ Rad | liological | | | Sam | | | sal (A o Cliei | | nay b | 2 | essed oosal i | | | | | | ed longer than 1 month) ive For Months |
| Deliverable Requested I, II, III, IV, Other (specify) | | | | ee TAT abo COM EQul | ove DoD Sta S EDD | ıge | Spec | cial In | struc | tions/C | C Re | quiren | nents | DOE | QSI | M pro | ject | | | |
| Empty Kit Relinquished by. | | | Date. | | | Ti | me. | | | | | | | Met | hod of | Shipm | ent. | | | |
| Relinquished by | Date/Tin | | | 1410 | AECOM | | | Receiv | ed by | Hen | h | Nist | سمار | | 2 | Date | | つ/ | 7/ | 123 1410 AECOM |
| Relinquished by | Date/Tin | 70/5 | - | 350 | Company, |) V | F | Receiv | ed by | *************************************** | | | | | | Date | Time | | | Сотрапу |
| Relinquished by | Dáte/Tin | ne | 5 /- | <u> </u> | Company | | F | Receiv | ed by | (| 1 | | de | | | Date | Time. | ľ'n | ス | 1003 Company |
| Custody Seals Intact Custody Seal No | <u> </u> | | | | <u>. </u> | | | Cooler | Tempe | erature(s | s) °C ar | nd Othe | Rema | ırks | | | | and the second | Same of | TOUS EULATION |
| | | | | | | | | | | | | 7 | | 3 | 9/ | 4 | t |) | | Ver 01/16/2019 |

Page 16 of 20

5755 8th Street East Tacoma WA 98424

Chain of Custody Record



5755 8th Street East Tacoma WA 98424

Chain of Custody Record

| Client Information | Sampler A | M GAN | <u>л</u> | | b PM laine V | Valker | r | | | | | | rier Tra dEx | cking N | o(s) | | | COC No. 2307AFEA11 | |
|--|------------------------|--|---------------------------------------|------------------|------------------|----------------|---|-------------------------|----------------------|------------|---|---------------|---------------------|-------------------------|--|---------------|----------------|-------------------------------------|-----------------------------------|
| Client Contact | Phone 408 - | M GN 712-95° | i / | E- | Mail I.Elaine | | | =urofin | sFT c | om | | Sta | le of Or waii | igin | | | | Page Page 1 of 1 | |
| Company ⁻ | | | PWSID | 114 | I | J. VY CIT | NGT (S) | _uroni | | | | | | | | | | Job # | |
| AECOM Address | Due Date Requeste | d | | | Econol. | 10/8/08 T | | | An | alys | is R | eque | sted | Т | | | Land Street | Preservation Cod | (00 |
| 1001 Bishop St. Suite 1600 | see subcontract | | | | | | i | - | | | | | | | | | | A HCL | M Hexane |
| City Honolulu | TAT Requested (da | ys) Rush - 5 | Day | | - A | | | | | | | | and in the later of | + | The same of the sa | $\sqrt{}$ | | B NaOH C Zn Acetate | N None O AsNaO2 |
| State Zip Hawaii 96813 | Compliance Projec | t Δ Yes Δ | No | | | | Janol | | | | | | | | | 1 | | D Nitric Acid E NaHSO4 F MeOH | P Na2O4S Q Na2SO3 R Na2S2O3 |
| Phone 808-954-4512 / 770-331-0794 | PO # | | | | 0 | | xy)-et | | | | | | | | 1 | | and the second | G Amchlor H Ascorbic Acid | S H2SO4 T TSP Dodecahydrate |
| Ernail Watson Tanji (watson.tanji@aecom.com)/ Mark Kromis (rnark.kromis@aecom.com) | WO#· | | | | Or N | 3 | xyetho | | | | | | | | | | 2 | l Ice J DIWater | U Acetone V MCAA |
| Project Name CTO N6274223F0104 | Project #* 60697810 | | | | e (Yes | 8 | 2-buto | | | | | 1 | | | | | Itaine | K EDTA L EDA | W pH 4-5 Z other (specify) |
| Site RHSF | SSOW# | | | | Jamp | 8 | 05/ 2-(| | | \nearrow | | Sh. | ١, | | _ | | of cor | Other [.] | |
| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | | Field Filtered | Perform MSAM | 8015C_DAI_GL_D5/ 2-(2-butoxyethoxy)-ethanol | | | | | 1 | | (2 | 5 | action of the | Total Number | Special In | structions/Note· |
| | | X | Preserva | tion Code | : X | \mathbb{X} | <u> </u> | | | | | | | | | | \bot X | | |
| AF RHMW17D WGN01LF-2307 | 7/7/23 | 1455 | G | w | N | N : | x | | | | | | | | | | 3 | | |
| AF RHMW17D WQFB01 2307 | 7/7/23 | 1400 | G | w | N | N : | x | | | | | | | | | | 3 | | |
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5755 8th Street East Tacoma, WA 98424

Chain of Custody Record

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| Email. Watson Tanji (watson.tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com) | WO# | | | | I S | | [] | | | | | -1/ | 1 1 | | | f. | I Ice J DIWate | , | U Acetone V MCAA | ĺ |
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| Custody Seals Intact Custody Seal No | | | | | | Cr | oder T | empera | ture/s\ | °C and | Other | Remark | s. | 7 // | H | | 1 10 | <u>/) </u> | IDW VIVE | -4 |
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| | | | | | | | | | | | | | Lo. | | 1 " | | | | Ver: 01/16/2019 | |

Client: AECOM Job Number: 580-129326-1

Login Number: 129326 List Source: Eurofins Seattle

List Number: 1

Creator: Presley, Kim A

| Creator: Presiey, 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. | N/A | |
| Cooler Temperature is acceptable. | N/A | |
| Cooler Temperature is recorded. | N/A | |
| 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 | |

Eurofins Seattle