PREPARED FOR

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

Generated 6/15/2023 3:00:22 PM

JOB DESCRIPTION

Red Hill - AFFF Assessment Sampling

ANALYTICAL REPORT

JOB NUMBER

580-127965-1

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 6/15/2023 3:00:22 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

Laboratory Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

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Case Narrative

Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-127965-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE

Client: AECOM
Project: Red Hill - AFFF Assessment Sampling
Report Number: 580-127965-1

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-RHMW17-WGN01LF-2305W5 (580-127965-1), AF-RHMW17D-WGN01LF-2305W5 (580-127965-2), AF-RHMW17D-WQFB01-2305W5 (580-127965-3), AF-RHMW17S-WGN01LF-2305W5 (580-127965-4) and AF-RHMW17S-WQEB01-2305W5 (580-127965-5) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 06/08/2023 and 06/14/2023.

The continuing calibration verification (CCV) associated with batch 680-783204 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 continuing calibration verification (CCV) associated with batch 680-783636 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.

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

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Definitions/Glossary

Job ID: 580-127965-1 Client: AECOM

Project/Site: Red Hill - AFFF Assessment Sampling

Qualifiers

Qualifier

GC Semi VOA

Qualifier Description One or more quality control criteria failed. U Undetected at the Limit of Detection.

Glossarv

DL, RA, RE, IN

DLC

| Giossaiy | |
|--------------|--|
| 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) |
| | |

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) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

Decision Level Concentration (Radiochemistry)

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

Practical Quantitation Limit PQL

PRES Presumptive **Quality Control** QC

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) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Eurofins Seattle

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Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17-WGN01LF-2305W5 Lab Sample ID: 580-127965-1

Date Collected: 06/02/23 12:40 Matrix: Water

Date Received: 06/06/23 16:30

| Analyte | Result | Qualifier | LOQ | DL Un | it I | D | Prepared | Analyzed | Dil Fac | |
|---------------------------|--------|-----------|-----|--------|------|---|----------|----------------|---------|--|
| 2-(2-Butoxyethoxy)ethanol | 3.0 | U | 5.0 | 1.1 mg | /I | | | 06/08/23 00:40 | 1 | |

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Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17D-WGN01LF-2305W5 Lab Sample ID: 580-127965-2

Date Collected: 06/02/23 10:30 Matrix: Water

Date Received: 06/06/23 16:30

| Analyte | Result | Qualifier | LOQ | DL Ur | nit | D | Prepared | Analyzed | Dil Fac | |
|---------------------------|--------|-----------|-----|-------|-----|---|----------|----------------|---------|--|
| 2-(2-Butoxyethoxy)ethanol | 3.0 | U | 5.0 | 1.1 m | n/l | _ | | 06/08/23 01:03 | 1 | |

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Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17D-WQFB01-2305W5 Lab Sample ID: 580-127965-3

Date Collected: 06/02/23 10:20 Matrix: Water

Date Received: 06/06/23 16:30

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

| Analyte | Result Qualifi | er LOQ | DL Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|----------------|--------|----------|---|----------|----------------|---------|
| 2-(2-Butovvethovv)ethanol | 3.0 11 | | 1.1 mg/l | | | 06/08/23 01:26 | |

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Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17S-WGN01LF-2305W5 Lab Sample ID: 580-127965-4

Date Collected: 06/02/23 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 | 30 UQ | 5.0 | 1.1 mg/l | | | 06/14/23 19:57 | 1 |

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Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17S-WQEB01-2305W5 Lab Sample ID: 580-127965-5

Date Collected: 06/02/23 10:00 Matrix: Water

Date Received: 06/06/23 16:30

| Analyte | Result Qualifier | LOQ | DL Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|------------------|-----|----------|---|----------|----------------|---------|
| 2-(2-Butoxyethoxy)ethanol | 30 UQ | 5.0 | 1.1 mg/l | | | 06/14/23 02:24 | 1 |

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Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

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

Lab Sample ID: MB 680-782368/9 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Client: AECOM

Analysis Batch: 782368

MB MB

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

Lab Sample ID: LCS 680-782368/1005 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 782368

| | Spike | LCS | LCS | | | | %Rec |
|---------------------------|-------|--------|-------------|------|---|------|----------|
| Analyte | Added | Result | Qualifier U | Jnit | D | %Rec | Limits |
| 2-(2-Butoxyethoxy)ethanol | 20.0 | 18.5 | n | na/L | | 92 | 50 - 150 |

Lab Sample ID: LCSD 680-782368/6 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 782368

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| 2-(2-Butoxyethoxy)ethanol | 20.0 | 19.4 | | mg/L | | 97 | 50 - 150 | 5 | 50 |

Lab Sample ID: 580-127965-3 MS Client Sample ID: AF-RHMW17D-WQFB01-2305W5 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 782368

| _ | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|---------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| 2-(2-Butoxyethoxy)ethanol | 3.0 | U | 20.0 | 18.3 | | mg/L | | 91 | 50 - 150 | |

Lab Sample ID: 580-127965-3 MSD Client Sample ID: AF-RHMW17D-WQFB01-2305W5 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 782368

| | Sample San | nple Spike | MSD | MSD | | | | %Rec | | RPD | |
|---------------------------|------------|---------------|--------|-----------|------|---|------|----------|-----|-------|--|
| Analyte | Result Qua | alifier Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| 2-(2-Butoxyethoxy)ethanol | 3.0 U | 20.0 | 16.4 | | mg/L | _ | 82 | 50 - 150 | 11 | 50 | |

Lab Sample ID: MB 680-783204/10 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 783204

MR MR

| Analyte | Result Q | Qualifier | LOQ | DL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|----------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-(2-Butoxyethoxy)ethanol | 3.0 U | J | 5.0 | 1.1 | mg/L | | | 06/13/23 19:49 | 1 |

Lab Sample ID: LCS 680-783204/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 783204

Spike LCS LCS %Rec Added Result Qualifier Unit Limits D %Rec 2-(2-Butoxyethoxy)ethanol 20.0 217 mg/L 109 50 - 150

Lab Sample ID: LCSD 680-783204/6 **Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Matrix: Water

Analysis Ratch: 783204

| Alialysis Datcii. 103204 | | | | | | | | | |
|---------------------------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| 2-(2-Butoxyethoxy)ethanol | 20.0 | 22.4 | | ma/L | | 112 | 50 - 150 | 3 | 50 |

Eurofins Seattle

6/15/2023

QC Sample Results

Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

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

Lab Sample ID: MB 680-783636/9 **Client Sample ID: Method Blank**

Matrix: Water

Analysis Batch: 783636

MB MB

| Analyte | Result | Qualifier | LOQ | DL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-(2-Butoxyethoxy)ethanol | 3.0 | U | 5.0 | 1.1 | mg/L | | | 06/14/23 18:01 | 1 |

Lab Sample ID: LCS 680-783636/1005 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 783636

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits 2-(2-Butoxyethoxy)ethanol 20.0 26.9 134 50 - 150 mg/L

Lab Sample ID: LCSD 680-783636/6 **Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 783636

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit Limits RPD Limit D %Rec 2-(2-Butoxyethoxy)ethanol 20.0 20.0 100 50 - 150 50 mg/L

6/15/2023

Prep Type: Total/NA

Job ID: 580-127965-1

Matrix: Water

Matrix: Water

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW17-WGN01LF-2305W5

Lab Sample ID: 580-127965-1 **Matrix: Water**

Date Collected: 06/02/23 12:40 Date Received: 06/06/23 16:30

Client: AECOM

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|-----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Type | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Analysis | 8015C GLY | | 1 | 782368 | DBM | EET SAV | 06/08/23 00:40 |

Client Sample ID: AF-RHMW17D-WGN01LF-2305W5

Lab Sample ID: 580-127965-2

Date Collected: 06/02/23 10:30

Date Received: 06/06/23 16:30

| | Batch | Batch | | Dilution | Batch | | Prepared |
|-----------|----------|-----------|-----|----------|-----------|-----------|----------------|
| Prep Type | Type | Method | Run | Factor | Number An | alyst Lab | or Analyzed |
| Total/NA | Analysis | 8015C GLY | | 1 | 782368 DB | M EET SAV | 06/08/23 01:03 |

Client Sample ID: AF-RHMW17D-WQFB01-2305W5 Lab Sample ID: 580-127965-3

Date Collected: 06/02/23 10:20 Date Received: 06/06/23 16:30

Batch **Batch** Dilution Batch **Prepared** or Analyzed **Prep Type** Method **Factor Number Analyst** Type Run Lab 06/08/23 01:26 EET SAV Total/NA Analysis 8015C GLY 782368 DBM

Client Sample ID: AF-RHMW17S-WGN01LF-2305W5 Lab Sample ID: 580-127965-4

Date Collected: 06/02/23 09:20 **Matrix: Water**

Date Received: 06/06/23 16:30

Batch **Batch** Dilution Batch **Prepared Prep Type** Method **Factor Number Analyst** or Analyzed Type Run Lab Total/NA Analysis 8015C GLY 783636 DBM EET SAV 06/14/23 19:57

Lab Sample ID: 580-127965-5 Client Sample ID: AF-RHMW17S-WQEB01-2305W5

Date Collected: 06/02/23 10:00 **Matrix: Water**

Date Received: 06/06/23 16:30

| | Batch | Batch | | Dilution | Batch | | | Prepared |
|-----------|----------|-----------|-----|----------|--------|---------|---------|----------------|
| Prep Type | Type | Method | Run | Factor | Number | Analyst | Lab | or Analyzed |
| Total/NA | Analysis | 8015C GLY | | 1 | 783204 | DBM | EET SAV | 06/14/23 02:24 |

Laboratory References:

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

Eurofins Seattle

Accreditation/Certification Summary

Client: AECOM Job ID: 580-127965-1

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.

| ANAB | | Program Dept. of Defense ELAP | Identification Number | Expiration Date 09-22-24 |
|---|-------------|---------------------------------|---------------------------------------|---------------------------------------|
| The following analyte the agency does not | • | port, but the laboratory is not | certified by the governing authority. | This list may include analytes for wh |
| Analysis Method | Prep Method | Matrix | Analyte | |
| | | | | |

Sample Summary

Client: AECOM Job ID: 580-127965-1

Project/Site: Red Hill - AFFF Assessment Sampling

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|---------------------------|--------|----------------|----------------|
| 580-127965-1 | AF-RHMW17-WGN01LF-2305W5 | Water | 06/02/23 12:40 | 06/06/23 16:30 |
| 580-127965-2 | AF-RHMW17D-WGN01LF-2305W5 | Water | 06/02/23 10:30 | 06/06/23 16:30 |
| 580-127965-3 | AF-RHMW17D-WQFB01-2305W5 | Water | 06/02/23 10:20 | 06/06/23 16:30 |
| 580-127965-4 | AF-RHMW17S-WGN01LF-2305W5 | Water | 06/02/23 09:20 | 06/06/23 16:30 |
| 580-127965-5 | AF-RHMW17S-WQEB01-2305W5 | Water | 06/02/23 10:00 | 06/06/23 16:30 |

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5755 8th Street East Tacoma, WA 98424

Chain of Custody Record

| 💸 eurofins | Environment Testing |
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| | America |

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|--|------------------------------------|---|--|--|-------------------|-----------|----------------------------|--|--|---|----------|--------|-------------------------|--------------|--------|---------|------------|----------------|------------------------------------|---|-------------------------|-----------------------|----------|
| Client Information | Sampler Sampler | Laye | OCK | AL Ela | PM: ine V | Valke | ər | | | | | | Carrie F ed E | | king N | o(s) | | | COC No: 2305W | 5AFEA1 | 10 | | |
| Client Contact: | Phone 206 - 48 | 50-78 | 20 | E-M | | e Wa | ilker@ | Euro | linsE | ET co | <u>m</u> | | State Haw | | gin | | | | Page Page 1 | of 1 | | | |
| Company AECOM | | | PWSID [.] | | Τ | | | | - | \nai | ysis | Req | ues | ted | | | | | Job # | | | | |
| Address: I 001 Bishop St Suite 1600 | Due Date Request see subcontrac | | | | П | | Τ, | | | | | | | | | | | | Preserv | ation Co | odes M He | | |
| Dity Honolulu | TAT Requested (d | | 5 Day | | 11 | 8 | _ | | | | | | | | | - | 123 | | B NaOi C Zn A | cetate | N No O Asl | ne NaO2 | |
| State Zip: Hawali 96813 | Compliance Proje | ct. A Yes | ΔNo | | $+$ \parallel | | than | | 1 | 1 | | | | | | 1 | 2 | | D Nitric E NaHS F MeO | SO4 | P Na: Q Na: R Na: | 2803 | |
| Phone [.] 808-954-4512 / 770-331-0794 | PO # | | | | اوَ | Top (co | -(yxot | | | | | | | | | | | | G Amcl | hlor | S H28 | | vdrate. |
| mall Vatson Tanji (watson tanji@aecom.com)/ Mark Kromis (mark.kromis@aecom.com) | WO # | | | | ample (Yes or No) | ≨ | 2-(2-butoxyethoxy)-ethanol | | | | | N | | | | 1 | ∤ ∥ | ers | lice JDIWa | ater | U Ace V MC | etone AA | 4,4,0 |
| roject Name [.] CTO N6274223F0104 | Project # 60697810 | | | | Se G | 8 | (2-bu | | | | | | \bigvee | | | | | contain | K EDTA | • | W pH Z oth | l 4-5 er (specify) | |
| ite RHSF | ssow#· | | | | Samp | | 8 | | | | | | | \setminus | | | - | 9 | Other [.] | | | | |
| ample Identification | Sample Date | Sample Time | | Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Alr | Field Filtered | Perform M | 8015C_DALGL | | | | | | | | | | | Total Number | S | pecial l | nstructi | ons/Note |): |
| | | \geq | | tion Code. | 4 | | A | 4 | + | 4 | 1 | \Box | - | - | | + | - - | \perp | | | | | |
| F-RHMW17-WGN01LF-2305W5 | 6/2/23 | 1240 | G | W | N | N | X | \perp | \perp | _ | | | _ | _ | _ | | 1_ | 3 | <u> </u> | | | | |
| | | *************************************** | | | | | Mark Core Paggram | | | - | | | | | | | - | | L | | | | |
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| | | | | | | | | | | - | | | | | | | | | L | | | | |
| | | | | | 11 | | | | | | | | | | | | | | | | | | |
| 580-127965 Chain of Custody | | | , ,,,,,,,, | | \coprod | _ | | | _ | _ | | | _ | | _ | _ | _ | | | | | | |
| 580-127965 Chain of Custody | | | | | 11 | 4 | _ | | _ | ↓_ | | | _ | 4 | _ | _ | _ | | | | | | |
| Justicuty | | | | | 11 | \perp | _ | \bot | ┺ | $oldsymbol{\perp}$ | | | _ , | 4 | 1 | 4 | | | | | | | |
| | | | | | П | \perp | \perp | _ | $oldsymbol{\perp}$ | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | | | | 12- | 6/ | 2/2 | 3 | | | | | | |
| | | | THE RESERVE OF THE PERSON OF T | - Alberton - Alberton | | | ATRICK SPECIAL | - | | | | | | ACOUNTY IN A | | | | _ | | | | | |
| ossible Hazard Identification Non-Hazard | Unknown | Handi. | ological | | [| Sam | pie Di Retu | ispos un To | sai () | A fee | may [| be as | ienos | sed i | f san | nples | are i | retain Arct | n <mark>ed long</mark> hive For | er than | | r h) onths | |
| eliverable Requested I, II, III, IV, Other (specify) | Prelim data (Lev | /el 1or2)≃se | e TAT abov | e DoD Sta | ige S | Spec | ial Ins | structi | ons/ | QC R | equir | emen | ts E | OD | QSM | proje | ect | AICI | iive i or | | | чина | |
| mpty Kit Relinquished by | 4 report standar | d IAI. AEC Date | COM EQUIS | EDD. | Tim | e | | | | | | | N | tethod | of Sh | ipmen | ıt. | | | | | | |
| Inthony Laylock AL AECOM | Date/Time | 152C | | Company AECOM | <u> </u> | R | ecelved | d by | do | , (| De | Co-c | NOC | ا جنگ ا | D | ate/Tin | ne 23 | | 15 | 20 | Compa | ny COY | <u> </u> |
| Inthony Laylock AL AECON Inthony Laylock AL AECON MICONDA Debrarmo | Date/Time | 1501 | | Company 以下ル。r | | R | eceived | i M | 1 | 2 | | U. B | <u> </u> | | Di | ate/Ti | | 2 | | 30 | Compa | | |
| Illinquished by | Date/Time. | | | Company | | R | eceived | 1.101/- | 11 | | | | | | | ate/tin | | -2 | | <u> ,, , , , , , , , , , , , , , , , , , </u> | Compa | ny | |
| Custody Seals Intact Custody Seal No Δ Yes Δ No | | | | | | C | ooler T | emper | ature(| s) °C a | nd Oth | er Rer | narks | | | | | 4. | 2/4. | 5 | | <u></u> | |
| | | | | | | | | | | | | | | | | | | -1.4 | 4 | | Ver 0 | 1/16/2019 | |

5755 8th Street East Tacoma, WA 98424

Eurofins FGS, Seattle

Chain of Custody Record

| | | | | 🔆 eurofins | | Environment Testing |
|--------|-----|-----|-------|------------|---|---------------------|
| nitral | AWG | 016 | -1728 | | į | America |

| Client Information | Sampler Anolu Phone 402 - | 1 You | ng | | PM: ine V | Valke | ər | | | | | | arrier Ti edEx | acking | No(s) | | | | DC No: B05W5AFEA1 | 1 | |
|---|--|--|--|---|------------------|-----------|---|----------|--|-----------------|----------------------|----------|-------------------|----------|----------|----------------|---------------|------------|-----------------------|--------------------------|------------|
| Client Contact: | Phone: 110.2 | 971-C- | 717 | E-M | all: | | | | | | | | ate of 0 | Origin | | | | Pa | ıge | · | |
| | 406 | 011-51 | PWSID: | <u>M</u> .E | Elaine | e.Wa | lker@ | Eurof | insE | .com | 1 | Н | awaii | | | | | | age 1 of 1 | | |
| Company AECOM | | | PWSID. | | | | | | Αı | naly | sis F | Requ | este | d | | | | 20 | b # | | |
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| State Zip Hawaii 96813 | Compliance Projec | A Vas | A No. | | - | | hand | | | | | | 1/ | Þ. | | | | | Nitric Acid NaHSO4 | P Na2O4S Q Na2SO3 | |
| Phone | PO# | 7 2 100 | | | ۱ ا | | ¥ | | | | | h | | 1 | | | | | MeOH Amchlor | R Na2S2O3 S H2SO4 | 3 |
| 808-954-4512 / 770-331-0794 | | | | | <u> </u> | | Ě | 1 | | | 1 | . () | <\/ | 1 | | ĺ | | H | Ascorbic Acid | T TSP Dode | ecahydrate |
| Email Watson Tanji (watson tanji @aecom.com)/ Mark Kromis (mark.kromis @aecom.com) | WO# | | | | š | 2 | X | | | | 1 | M | 入 | | | | Į g | | lce Dl Water | U Acetone V MCAA | |
| Project Name | Project # | | | | اع۲ | Š | 후 | | | | J | 7 | (1) | | | | of containers | K | EDTA EDA | W pH 4-5 Z other (spe | olfu) |
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| RHSF | 330*** | | | | San | § | 8015C_DAI_GL_D5/ 2-(2-butoxyethoxy)-ethanoi | | | 19 | 16 | ١٦ | | | | | 1 | 5 | 101 | | |
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| Sample Identification | Sample Date | Sample Time | (C=comp, G=grab) | S=solid, O=waste/oil, | jeid | Perform M | 350 | X | | | | | | | | ł | Total | 2 | Consider to | | M-4 |
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| Possible Hazard Identification | | | | | 1 | Sam | ple D | isposi | al (A | fee i | | NO. | | | - | | | ined | l longer than | 1 month) | |
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| Empty Kit Relinquished by | | Date | ZOW L GUI | | Tim | ie | | | | | | | Meti | nod of | Shipme | ent. | | | | | |
| Relinquished by Andy Rowns 08/75 | Date/Time | | | Company | | R | eceive | d by | | | | | ۸۷. | | Date/ | lme. | 2 | 7 | 7 1790 | Company | z . m |
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| Custody Seals Intact | <u> </u> | | | | | - | ooler T | [empera | Mrc/c) | °C an | d Otha | r Roma | rke | | | | | | 1 . 5 | <u> </u> | |
| Δ Yes Δ No | | | | | | _[| | Citipeta | ure(S) | , U all | U U III | , reille | | | | | C | 1. | 2/4.0 | | |
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Eurofins FGS, Seattle

5755 8th Street East Tacoma, WA 98424

Chain of Custody Record

| | | | 😽 eurofins | Environment Testing |
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| Client Information | Sampler A | BS, | AL | | ine W | alker | | | | | | Fee | Ex | cking N | No(s) | | | 2 | OC No: 305W5AFEA1: | 2 | |
| Client Contact: | Phone | | | E-Ma M.E | | Walk | er@E | urofir | nsET. | com | | Stat- Hav | of Or vaii | rigin [.] | | | | | age Page 1 of 1 | | |
| Company· AECOM | | | PWSID | | | | | W-W-1 | An | alys | is Re | que | sted | | | | , | J | ob# | | |
| Address | Due Date Request | ed | | | 17 | | Т | | | | | T | | | T | | Z | P | reservation Co | les | |
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| City Honolulu | TAT Requested (d | ays) Rush - 5 | Day | | 1 | - | | | ĺ | | | | | 12 | . () | | | 10 | NaOH C Zn Acetate O Nitric Acid | N None O AsNaO2 P Na2O4S | |
| State Zip: Hawali 96813 | Compliance Proje | ct. A Yes | ΔNo | |] | ethan | | | | | | | .6 | | | | | E | NaHSO4 MeOH | Q Na2SO3 R Na2S2O3 | |
| Phone 808-954-4512 / 770-331-0794 | PO # | | | | <u></u> | loxy)- | | | | | | 1 | | | | | 1 | 0 | Amchlor Ascorbic Acid | S H2SO4 T TSP Dodec | cahvdrate |
| Email Watson Tanji (watson tanji @aecom.com)/ Mark Kromis (mark.kromis @aecom.com) | WO# | | | | les or l | oxyet | | | | N | 119 | / | | | | | S. | J) | Ice DI Water | U Acetone V MCAA | ,, |
| Project Name CTO N6274223F0104 | Project #* 60697810 | | **** | | ر او | es or (2-but | | | İ | B | | | | | | | ntaine | ۱ | C EDTA EDA | W pH 4-5 Z other (speci | ify) |
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| 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 | Fertion Mistabol (188 of No) 8015C_DAL_GL_D5/ 2-(2-butoxyethoxy)-ethanol | - | | 1 | | | | | | | | Total Number | | Special In | structions/No | ote: |
| | <u> </u> | | Preserva | ation Code | W | K A | 4 |] | | _ | | | | | | | -12 | 4 | | | |
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| Non-Hazard Flammable Skin Irritant Poison E | Unknown | Hadio | ological | | ٦ | | Returi | n To (| Client | ee m | | Disp | osal E | By Lai | b b | | | | e For | Months | |
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| Empty Kit Relinquished by | | Date | CONTRACTOR | <u> </u> | Time | | | | | | | | Metho | od of S | hipme | ent. | - | | | | |
| Relinguished by Ben Snid Attom | Date/Time | : 12- | 00 | Company AECOM | | Rec | elved t | ολ. | 1 | la. | <u> </u> | , f | FI. | m [| Date/1 | | 3 | Y | 290 | Company GE 10 | m |
| Relinquished by m Kala (1)(V) | 6/2/23 Date/Time 6/5/ | 12, 19 | 699 | Company 人をてるア | ~~ | Rec | eived b | Dy. | 15 | 7 | | | | Ē | Date/T | | 23 |) | 1630 | Company | |
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| Custody Seals Intact | | | | | | Cod | ler Ten | nperati | ure(s) ° | °C and | Other | Remark | s | | | | | | 4 | 2/4.0 | |
| 4 100 4 10 | | | | | | | ······································ | | | | | | | | | | | | | Ver 01/16/20 | 019 |

Client: AECOM Job Number: 580-127965-1

Login Number: 127965 List Source: Eurofins Seattle

List Number: 1

Creator: Johnson, Corey M

| oreator. Johnson, Corey W | | |
|---|--------|---------|
| 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 | |
| | | |