



Mr. Randall Urasaki
WSP USA
1001 Bishop Street, Suite 2400
American Savings Bank Tower
Honolulu, Hawaii 96813

August 21, 2024

Subject: Limited Lead Paint Sampling
Nanue Bridge
Hawaii County, Hawaii

Dear Mr. Urasaki

On August 4, 2024, under the guidance of WSP USA, Inc., EnviroQuest, Inc. (EQI) collected ten paint chips samples for lead analysis at Nanue Bridge in Hawaii County, Hawaii. Samples were collected from the steel beam and girders which may be repaired or replaced during repair work by Hawaii Department of Transportation. All samples were gray paint, and no other colors were present/visible during sample collection. Samples were collected to bare metal substrate. All samples were collected from ground level to 6 ft above ground elevation. Access and slope conditions limited the sample collection area.

Figure 1 identifies the general site area of Nanue Bridge, and Figure 2 identifies the sample locations. The sample IDs (DU2, DU3, etc.) correspond to decision units from the Spring 2024 EQI soil sample site investigation at Nanue Bridge.

Samples were submitted to Hawaii Analytical Laboratory (HAL) in Honolulu, Hawaii, an American Industrial Hygiene Association (AIHA) accredited laboratory with a specific accreditation for lead analysis under AIHA Environmental Lead Laboratory Accreditation Program. The paint film samples were analyzed by NIOSH Method 7082m *Lead by Flame* Atomic Absorption Spectrophotometry.

Based on the laboratory analytical results, none of the 10 samples exceeded the EPA guidelines for lead based paint. The EPA defines lead-based paint as paint or other coatings containing lead equal to, or in excess of, 0.5% lead by weight.

For the purpose of this report, lead containing paint (LCP) is classified as paint where the lead detected is greater than the laboratory analytical detection limit but less than 0.5% lead by weight. All of the samples were classified as LCP under this scenario. A summary of the data is presented in Table 1.

Prior to the disturbance of any LCP, the contractor's employees disturbing the painted materials must be informed that it contains lead and must conduct all lead paint disturbance work in accordance with Occupational Safety and Health Administration (OSHA) 29 CFR 1926.62 *Lead*.

If lead paint chip or waste is generated during the renovation and/or demolition work, composite samples of the generated waste must be collected for *Toxicity Characteristic Leaching Procedure* (TCLP) analysis to determine the waste disposal characterization. *Hawaii Administrative Rules, Title 11, Department of Health, Chapter 261, Hazardous Waste*



Management allows a maximum concentration of lead contaminant by TCLP at 5.0 mg/L. TCLP results exceeding the 5.0 mg/L threshold requires the material to be disposed of as hazardous waste. Results below this threshold allow for the lead waste to be disposed of as construction debris.

TABLE 1
Paint Chip Sample Summary
Nanue Bridge, HI

| Sample No. | Sample Location/Description | Result (wt. %) | LBP ₁ (Y/N) | LCP ₂ (Y/N) |
|---------------|--|----------------|------------------------|------------------------|
| NAN_Pb_DU2a | N. Embankment, DU2, eastern support girder | 0.14 | N | Y |
| NAN_Pb_DU2b | N. Embankment, DU2, middle | 0.041 | N | Y |
| NAN_Pb_DU2c | N. Embankment, DU2, western support | 0.021 | N | Y |
| NAN_Pb_DU3a | N. Embankment, DU3, middle | 0.0087 | N | Y |
| NAN_Pb_DU3b | N. Embankment, DU3, western beam | 0.066 | N | Y |
| NAN_Pb_DU9 | S. Embankment, DU9, southeastern footing | 0.019 | N | Y |
| NAN_Pb_DU10a | S. Embankment, DU10, southeastern footing | 0.094 | N | Y |
| NAN_Pb_DU10a2 | S. Embankment, DU10, southwestern footing | 0.047 | N | Y |
| NAN_Pb_DU10b | S. Embankment, DU10, northeastern footing | 0.055 | N | Y |
| NAN_Pb_DU10b2 | S. Embankment, DU10, northwestern footing | 0.031 | N | Y |

1. LBP = >0.5% lead by weight

2. LCP = >laboratory detection limit but <0.5%

3. BDL = Below the laboratory detection limit

EQI appreciates this opportunity to assist with your lead sampling needs. Any question regarding our work and this report, the presentation of the information, and the interpretation of the data are welcome and should be referred to the undersigned. We look forward to working with you again in the future.

Sincerely,

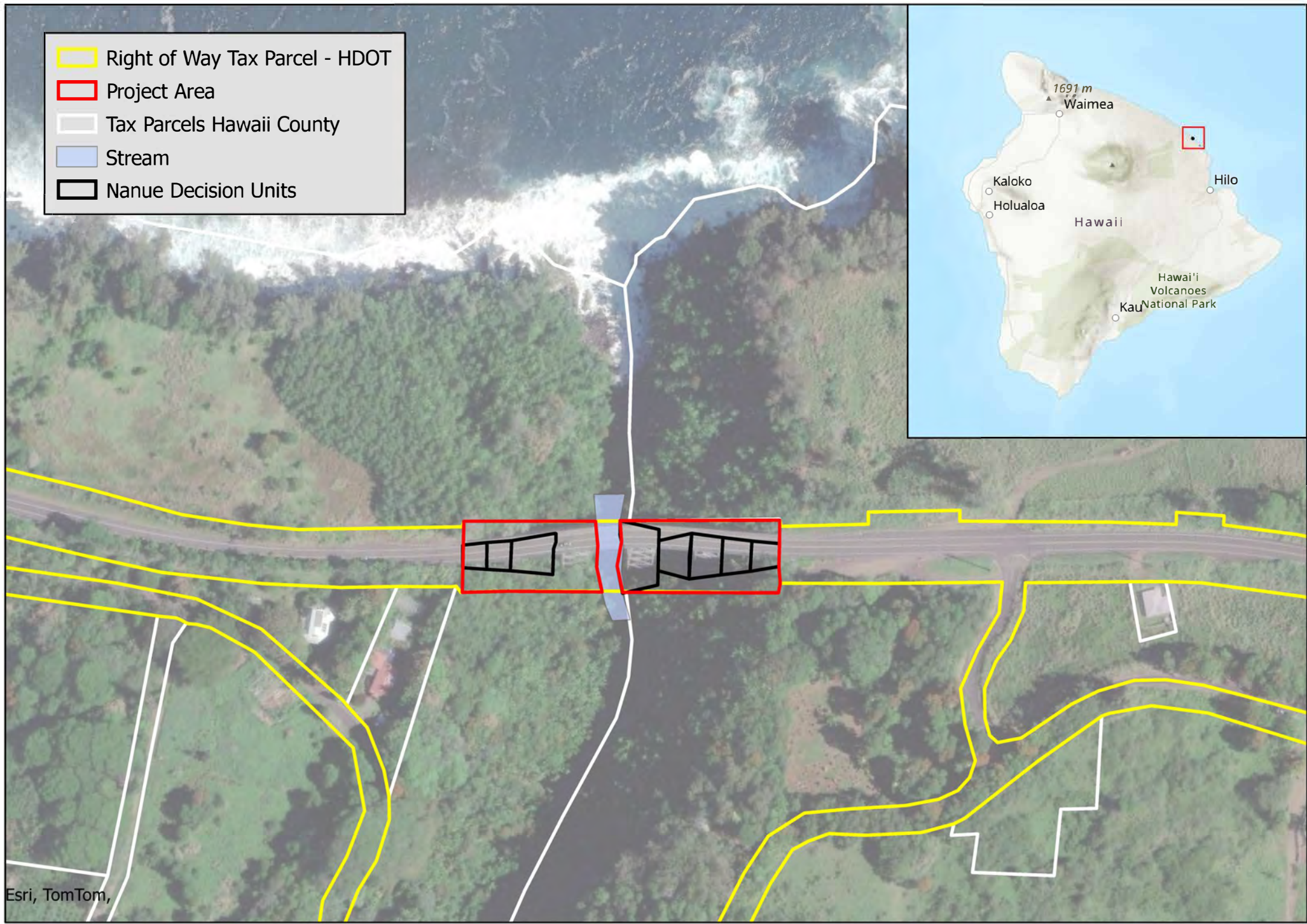
Scott Moncrief, LG

Attachments

Laboratory Analytical Report

Figure 1: Nanue Bridge Sample Area

Figure 2: Lead Paint Sample Locations and ID



Map not to scale
Locations are approximate

Figure 1
Nanue Bridge Sample Area
Nanue Stream Bridge, Hawaii County, HI

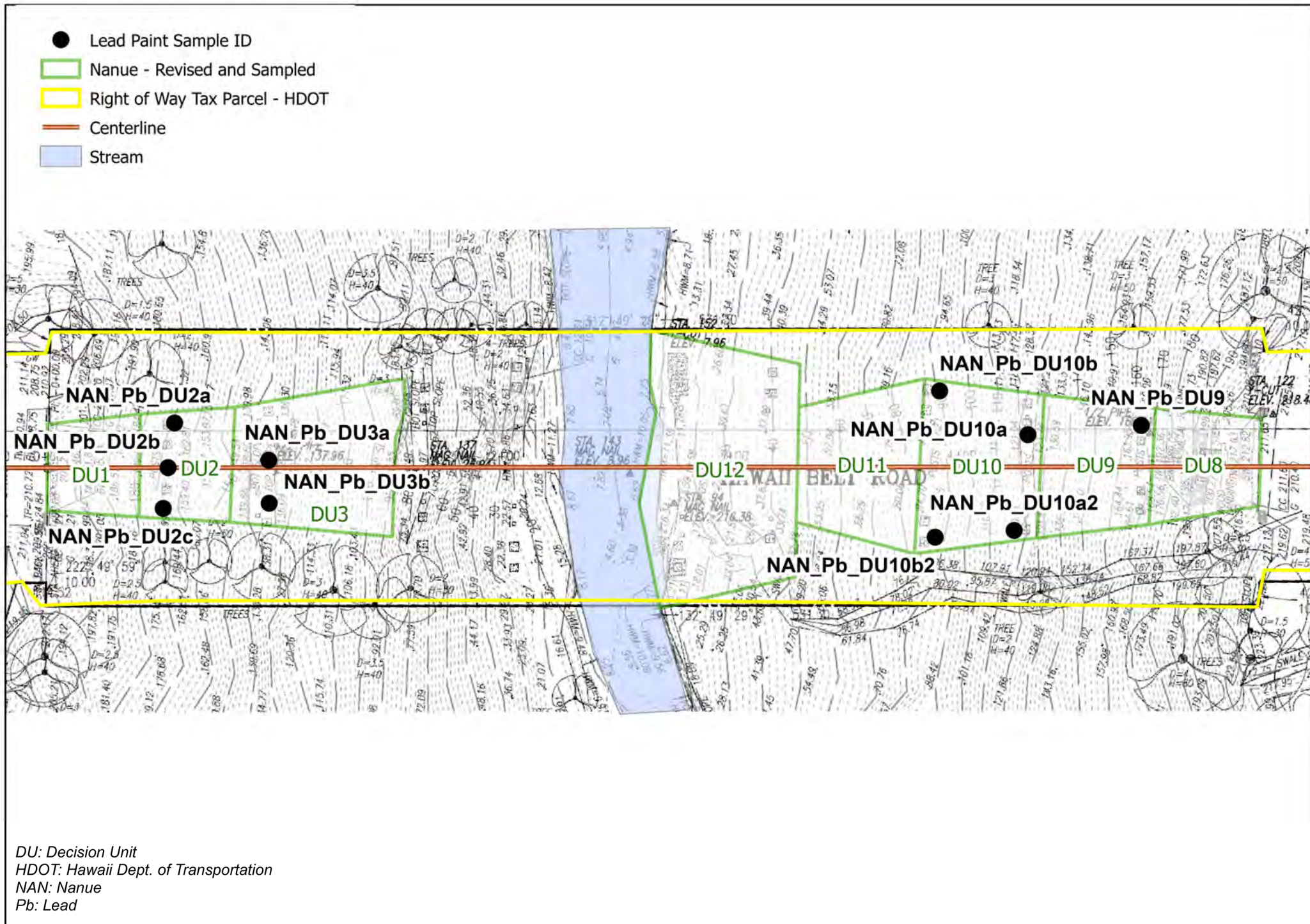


Figure 2
Lead Paint Sample Locations and ID
Nanue Stream Bridge, Hawaii County, HI

Nanue Bridge Lead Paint Chip Samples: August 4, 2024



Sample NAN_PB_DU2a



Sample NAN_PB_DU2b



Sample NAN_PB_DU2c



Sample NAN_PB_DU3a



Sample NAN_PB_DU3b



Sample NAN PB DU9a



Sample NAN_PB_DU10a



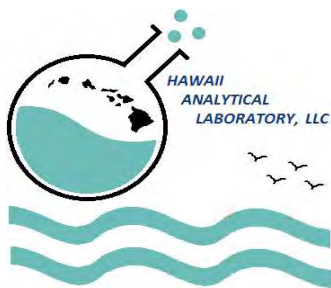
Sample NAN_PB_DU10a2



Sample NAN_PB_DU10b



Sample NAN_PB_DU10b2



Hawaii Analytical Laboratory ANALYTICAL REPORT

Monday, August 12, 2024

EnviroQuest, Inc.
98-029 Hekaha Street, Suite 21
Aiea HI 96701

Phone Number: (808)486-5881
Facsimile: (808) 486-5889
Email: eqi@enviroquestinc.com

Lab Job No: 202407893
Date Submitted: 8/5/2024
Project Name: Nanue Bridge Lead Assessment, 8/4/24

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

| Sample No. | Your Sample ID / Description | Results | Units | Date Analyzed |
|------------|------------------------------|---------|-------|---------------|
| 202454276 | NAN_Pb_DU9 | 0.019 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454277 | NAN_Pb_DU10a | 0.094 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454278 | NAN_Pb_DU10a2 | 0.047 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454279 | NAN_Pb_DU10b | 0.055 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454280 | NAN_Pb_DU10b2 | 0.031 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454281 | NAN_Pb_DU2a | 0.14 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454282 | NAN_Pb_DU2b | 0.041 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454283 | NAN_Pb_DU2c | 0.021 | wt % | 8/7/2024 |
| Comments | | | | |
| 202454284 | NAN_Pb_DU3a | 0.0087 | wt % | 8/7/2024 |
| Comments | | | | |

Hawaii Analytical Laboratory (101812) is accredited by the AIHA LAP, LLC in the EMLAP, IHLAP, and ELLAP programs for the scope of work listed on www.aihaaccreditedlabs.org, in accordance with the recognized ISO/ IEC 17025:2017. AIHA LAP, LLC is a NLLAP recognized accrediting body. Controlled doc.: Lead Report, rev. 3 - 20181015

3615 Harding Avenue, Ste. 308, Honolulu, HI 96816 - Telephone: (808) 735-0422 - Fax: (808) 735-0047

Page 1 of 2

EnviroQuest, Inc.
98-029 Hekaha Street, Suite 21
Aiea HI 96701

Phone Number: (808)486-5881
Facsimile: (808) 486-5889
Email: eqi@enviroquestinc.com

Lab Job No: 202407893
Date Submitted: 8/5/2024
Project Name: Nanue Bridge Lead Assessment, 8/4/24

Total Lead (paint chips)

NIOSH Method: 7082m LEAD by FAAS

| Sample No. | Your Sample ID / Description | Results | Units | Date Analyzed |
|------------|------------------------------|---------|-------|---------------|
| 202454285 | NAN_Pb_DU3b | 0.066 | wt % | 8/7/2024 |
| Comments | | | | |

All Quality Control data are acceptable unless otherwise noted.
MRL for lead air is 5ug.
MRL for lead wipe is 10ug.
MRL for lead paint or soil is 40 mg/kg for a 0.25g sample.

General Comments

The sample[s] analysis subject of this analytical report were conducted in general accordance with the procedures associated with the "analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. All analysts participate in interlaboratory quality control testing to continuously document proficiency. This report is not to be duplicated except in full without the expressed written permission of Hawaii Analytical Laboratory. This report should not be construed as an endorsement for a product or a service by the AIHA LAP, LLC or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. TWA values have been calculated based on information supplied by the client that the laboratory has not independently verified. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

Results and Symbols Definitions

> This testing result is greater than the numerical value listed.
< This testing result is less than the numerical value listed.
= Analytical methods marked with an "#" are not within our AIHA LAP, LLC Scope of Accreditation.
MRL = Method Reporting Limit.



Anne Antin
Quality Control Manager

Hawaii Analytical Laboratory (101812) is accredited by the AIHA LAP, LLC in the EMLAP, IHLAP, and ELLAP programs for the scope of work listed on www.aihaaccreditedlabs.org, in accordance with the recognized ISO/ IEC 17025:2017. AIHA LAP, LLC is a NLLAP recognized accrediting body. Controlled doc.: Lead Report, rev. 3 - 20181015



3615 Harding Avenue, Suite 308
Honolulu, HI 96816
Ph: 808-735-0422 - Fax: 808-735-0047
https://analyzehawaii.com

☐ New Client?

Report To* : Scott Moncrief / David Leigh
Company : EnviroQuest Inc
Address* : 98-029 Hekaha St., St. 21
City, State, Zipcode : Pearl City Hawaii, 96734
Phone / Cell No.* : 808 286 0222
Report results to : David Leigh and Scott Moncrief
Email / Fax : dleigh@enviroquestinc.com
scott.moncrief8008@gmail.com

Invoice To* : EnviroQuest Inc.
Company : David & Leigh, Randy Tekemste
Address* : 98-029 Hekaha St. 21
Aiea, Hawaii 96701
Phone / Cell No.* : 808 258 4860
Purchase Order No. :
Email Invoice To :

Need Results By*:

- ☒ 5 Working Days (WD)
☐ 4 WD
☐ 3 WD
☐ 2 WD
☐ 24 hours
☐ 6 hours or less
☐ 4 hours or less
☐ 1-2 hours

Client Project No.:

Site/Project Name:

Nanue Bridge Lead Assessment

Sampled By & Certif. # :

Special Instructions:

PLM POSITIVE STOP?

- ☐ + stop / SAMPLE
☐ + stop / LAYER

Verbal results?

☐

Lab Report No.:

2024078913

| Sample ID | Sample Description* | Date Sampled* (mm/dd/yy) | Collection Medium | Sample Area / Air Volume | Analysis Requested* | Method Reference | Lab Sample(s) No.: |
|-----------------|---------------------|-----------------------------|----------------------|-----------------------------|---------------------|---------------------|--------------------|
| 1 NAN-Pb-DU9 | Paint Sample | 08/04/2024 | | | Total Lead | | 202454276 |
| 2 NAN-Pb-DU10a | " | | | | | | 202454277 |
| 3 NAN-Pb-DU10a2 | " | | | | | | 202454278 |
| 4 NAN-Pb-DU10b | " | | | | | | 202454279 |
| 5 NAN-Pb-DU10b2 | " | | | | | | 202454280 |
| 6 NAN-Pb-DU2a | " | | | | | | 202454281 |
| 7 NAN-Pb-DU2b | " | | | | | | 202454282 |
| 8 NAN-Pb-DU2c | " | | | | | | 202454283 |
| 9 NAN-Pb-DU3a | " | | | | | | 202454284 |
| 10 NAN-Pb-DU3b | " | | | | | | 202454285 |
| 11 | | | | | | | |
| 12 | | | | | | | |

Relinquished By (Print and Sign)

Date/Time

Received By (Print and Sign)

Date/Time

Scott Moncrief

08/05/2024 2:45 pm

Savannah Newman
Savannah Newman

08-05-24 P02:49 RCD

*Sample description can be paint chips, concrete, specific sample collection location, etc...
If matrix is 'soil', please specify if it is a FOREIGN SOIL SAMPLE (outside Hawaii) in the comment section.
All samples submitted are subject to Hawaii Analytical Laboratory terms and conditions.
*Required fields, failure to complete these fields may result in a delay in your samples being processed.

Lab Notes:

☐ via HAC ☐ via USPS ☐ via drop box ☐ via FedEx ☐ via pick up

awb#: 173-

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