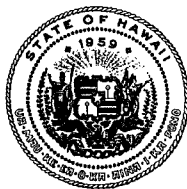


LINDA LINGLE
GOVERNOR OF HAWAII



CHIYOME L. FUKINO, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. Box 3378
HONOLULU, HAWAII 96801-3378

In reply, please refer to:
File: EHA/HEER Office
2007-815MGC

December 7, 2007

Mr. Scottie Furishima
Executive Director
Kewalo Fishing Conservancy
P.O. Box 23185
Honolulu, HI 96823

Facility: Kaka'ako Unit 8 – Kewalo Keiki Fishing Conservancy

Subject: Laboratory Analytical Results for Lead in Soil at KKFC Site

Dear Mr. Furishima:

The Department of Health-HEER Office collected soil samples from the areas of currently exposed soil at Kaka'ako Unit 8 slated for Kewalo Keiki Fishing Conservancy (KKFC). The objective of this sampling effort was to determine if lead in exposed soil pose a potential health risk to future users of the property.

In summary, reported concentrations of lead in four of the seven areas ("decision units") tested are below levels of concern (DU3/ DU4/ DU5, DU6, DU8 and DU9, refer to Figure 1). Reported concentrations of lead in the remaining three areas exceed our action level (refer to DU1, DU2 and DU7 in Figure 1). Because final development plans have not been completed, capping of the noted areas with six inches of clean fill is acceptable as an interim measure. Note that at least twelve inches of clean soil are normally required for permanent caps.

A more detailed summary of the investigation carried out at the site in provided in Attachment 1. Please provide a brief plan that describes how you will carry out the above recommendations. We would be glad to meet with at the site or at our office to answer any questions you may have. Thank you for you patience in this process.

Sincerely,

A handwritten signature in cursive script that reads "Melody G. Calisay". The signature is written in dark ink and is positioned above the printed name and title.

Melody G. Calisay
Project Manager
HEER Office
Department of Health

Enclosures: Attachment 1, Figure 1, Table 1, Laboratory Report

ATTACHMENT 1

Selection of Decision Units

Approximately 75% of the site is paved or otherwise covered in former building pads (see Figure 1). Areas of exposed soil were divided into seven decision units, based primarily on the apparent soil type exposed at the surface.

Soils in DU1 and DU2 contained small, rounded fragments of green and blue glass as well as pottery, similar to adjacent properties known to be contaminated with ash from the former incinerator. Exposed soil in DU3 contained some glass and pottery fragments but less than observed in DU1 and DU2. Two replicate samples were collected in this decision unit (labeled DU4 and DU5). This suggested that this might contain less ash than DU1 and DU2. Soil in DU6 did not contain fragments of glass or pottery.

Exposed soil along the remainder of the basin did not contain significant glass or pottery fragments and appeared to be imported topsoil. This area was divided into three decision units (DU7, DU8 and DU9) in order to narrow down areas of elevated contamination, if identified by the testing.

Sample Collection

One multi-increment surface soil sample was collected from each of the nine decision units. Each multi incremental soil sample consisted of 30 subsamples collected from 0 to 2 inches below ground surface (bgs) within each decision unit. Samples were collected by loosening the surface soil with a pick hammer and removing soil with a stainless steel spoon. Sampling equipment was decontaminated with soap and water between each decision unit.

Coarse particles were removed from the samples in the field by passing each sample through a 12-inch stainless steel, 2-mm sieve. The samples were placed in a cooler with ice and immediately taken to the Test America laboratory in Honolulu. Multi-increment subsamples were collected from each sample by the laboratory. Both the 2 mm and 250 um fractions were tested for total for lead using SW 6010.

Results and Recommendations

The results of the sample analyses are provided in the attached laboratory report and summarized in Figure 1. Reported concentrations of lead in both the 2mm and 250um soil fractions of samples from decision unit DU3 (including replicate samples DU4 and DU5), DU6, DU 8 and DU9 are below the DOH residential soil screening level of 400 mg/kg, based on direct-exposure concerns (USEPA Region IX Preliminary Remediation Goal). No further action is required in these areas.

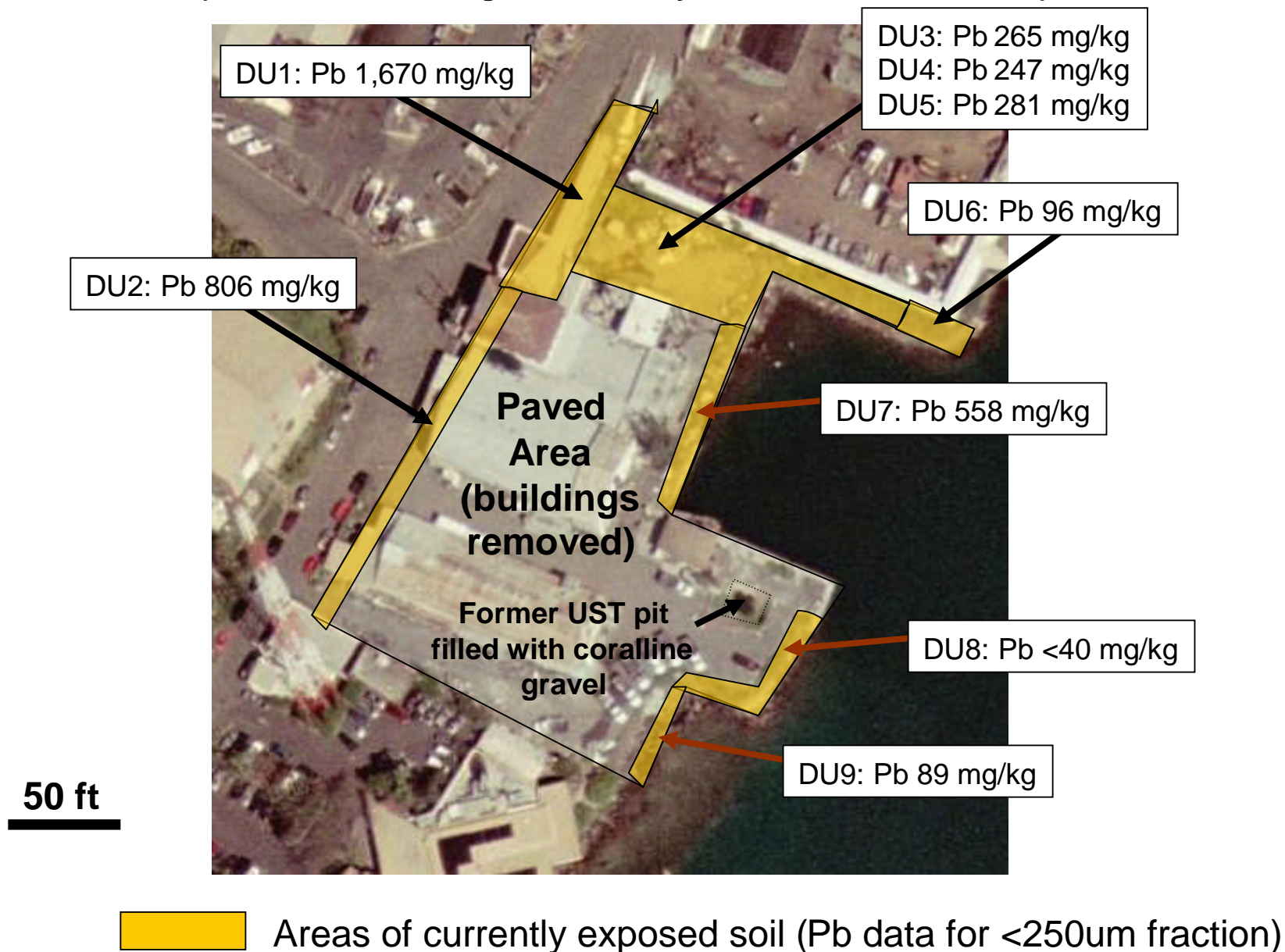
Samples from DU1 and DU2 are well above the soil action level of 400 mg/kg. DOH recommends that exposed soil in these areas be covered with pavement or, as an interim measure, at least six inches of clean fill or gravel.

Reported levels of lead in the sample collected from DU7 are approximately equal to the action level of 400 mg/kg in the 2mm fraction and marginally above the action level in the 250um fraction. DOH does not believe that lead contamination in the soil poses a health risk to children or adults who use the site on an infrequent basis (e.g., less than once per week). Children and adults walking through this area could, however, carry the soil home on their shoes. In order to address this concern, DOH recommends that at least the top six inches of the soil be removed,

Page 2

taken to DU1 and covered under the pavement or clean fill cap to be placed in this area. The area of DU7 should then be paved or covered with a minimum of six inches of clean fill.

**Figure 1. Summary of lead data for 250 um soil fraction
(Kewalo Keiki Fishing Conservatory Site, Kaka'ako, Honolulu)**



December 06, 2007

LABORATORY REPORT

Client:

Department of Health, HEER Office
919 Ala Moana Boulevard, Room 206
Honolulu, HI 96814
Attn: Melody Calisay

Work Order: HQK0085
Project Name: DOH-Kaka'ako Keiki Fishing Conservancy
Project Number: [none]
Date Received: 11/15/07

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain of Custody, 1 page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(808)486-5227

CASE NARRATIVE: Samples were prepared by incremental subsampling in accordance with the EPA/600/R-03/027 Guidance Document. A Sample was duplicated. Refer to the Sample Duplicate in the QC summary for the RPD.

Samples were received into laboratory at a temperature of 5 °C.

NELAC states that samples which require thermal preservation shall be considered acceptable if the arrival temperature is within 2 degrees C of the required temperature or the method specified range. For samples with a temperature requirement of 4 degrees C, an arrival temperature from 0 degrees C to 6 degrees C meets specifications. Samples that are delivered to the laboratory on the same day that they are collected may not meet these criteria. In these cases, the samples are considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Approved By:



Marvin D. Heskett III
Quality Assurance Manager

NELAC Certification # E87907

Department of Health, HEER Office
919 Ala Moana Boulevard, Room 206
Honolulu, HI 96814
Melody Calisay

Work Order: HQK0085

Received: 11/15/07

Reported: 12/06/07 11:56

Project: DOH-Kaka'ako Keiki Fishing Conservancy

Project Number: [none]

| <u>SAMPLE IDENTIFICATION</u> | <u>LAB NUMBER</u> | <u>COLLECTION DATE AND TIME</u> |
|------------------------------|-------------------|---------------------------------|
| KKFC-DU1 (COARSE) | HQK0085-01 | 11/15/07 |
| KKFC-DU1 (FINE) | HQK0085-02 | 11/15/07 |
| KKFC-DU2 (COARSE) | HQK0085-03 | 11/15/07 |
| KKFC-DU2 (FINE) | HQK0085-04 | 11/15/07 |
| KKFC-DU3 (COARSE) | HQK0085-05 | 11/15/07 |
| KKFC-DU3 (FINE) | HQK0085-06 | 11/15/07 |
| KKFC-DU4 (COARSE) | HQK0085-07 | 11/15/07 |
| KKFC-DU4 (FINE) | HQK0085-08 | 11/15/07 |
| KKFC-DU5 (COARSE) | HQK0085-09 | 11/15/07 |
| KKFC-DU5 (FINE) | HQK0085-10 | 11/15/07 |
| KKFC-DU6 (COARSE) | HQK0085-11 | 11/15/07 |
| KKFC-DU6 (FINE) | HQK0085-12 | 11/15/07 |
| KKFC-DU7 (COARSE) | HQK0085-13 | 11/15/07 |
| KKFC-DU7 (FINE) | HQK0085-14 | 11/15/07 |
| KKFC-DU8 (COARSE) | HQK0085-15 | 11/15/07 |
| KKFC-DU8 (FINE) | HQK0085-16 | 11/15/07 |
| KKFC-DU9 (COARSE) | HQK0085-17 | 11/15/07 |
| KKFC-DU9 (FINE) | HQK0085-18 | 11/15/07 |
| KKFC-DU7 (COARSE) redo | HQK0085-19 | 11/15/07 |
| KKFC-DU7 (FINE) redo | HQK0085-20 | 11/15/07 |

Department of Health, HEER Office
919 Ala Moana Boulevard, Room 206
Honolulu, HI 96814
Melody Calisay

Work Order: HQK0085

Received: 11/15/07

Reported: 12/06/07 11:56

Project: DOH-Kaka'ako Keiki Fishing Conservancy

Project Number: [none]

ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution | Date Analyzed | Prep Date | Seq/ Batch | Method |
|--|---------------|-----------------|-------|-----------|-------------------|----------------|-----------------------|------------|--------------|
| Sample ID: HQK0085-01 (KKFC-DU1 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| SPLP Metals | | | | | | | | | |
| Lead | ND | | mg/L | 0.00500 | 1 | 11/28/07 21:36 | 11/27/07 | 7K27007 | SW1312/6010B |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 1670 | | mg/kg | 39.6 | 20 | 11/29/07 13:04 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-02 (KKFC-DU1 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 806 | | mg/kg | 38.1 | 20 | 11/29/07 13:24 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-03 (KKFC-DU2 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 532 | | mg/kg | 38.5 | 20 | 11/29/07 13:29 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-04 (KKFC-DU2 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 739 | | mg/kg | 39.2 | 20 | 11/29/07 13:34 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-05 (KKFC-DU3 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| SPLP Metals | | | | | | | | | |
| Lead | 0.00678 | | mg/L | 0.00500 | 1 | 11/28/07 21:41 | 11/27/07 | 7K27007 | SW1312/6010B |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 242 | | mg/kg | 37.7 | 20 | 11/29/07 13:38 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-06 (KKFC-DU3 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 265 | | mg/kg | 38.1 | 20 | 11/29/07 13:43 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-07 (KKFC-DU4 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 168 | | mg/kg | 37.4 | 20 | 11/29/07 13:48 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-08 (KKFC-DU4 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 247 | | mg/kg | 38.1 | 20 | 11/29/07 13:53 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-09 (KKFC-DU5 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 182 | | mg/kg | 37.4 | 20 | 11/29/07 13:58 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-10 (KKFC-DU5 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 281 | | mg/kg | 37.0 | 20 | 11/29/07 14:03 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-11 (KKFC-DU6 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 50.8 | | mg/kg | 37.7 | 20 | 11/29/07 14:08 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-12 (KKFC-DU6 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |

Department of Health, HEER Office
919 Ala Moana Boulevard, Room 206
Honolulu, HI 96814
Melody Calisay

Work Order: HQK0085

Received: 11/15/07

Reported: 12/06/07 11:56

Project: DOH-Kaka'ako Keiki Fishing Conservancy

Project Number: [none]

ANALYTICAL REPORT

| Analyte | Sample Result | Data Qualifiers | Units | Rpt Limit | Dilution | Date Analyzed | Prep Date | Seq/ Batch | Method |
|--|---------------|-----------------|-------|-----------|-------------------|----------------|-----------------------|------------|---------|
| Sample ID: HQK0085-12 (KKFC-DU6 (FINE) - Solid/Soil) - cont. | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods - cont. | | | | | | | | | |
| Lead | 96.2 | | mg/kg | 36.7 | 20 | 11/29/07 14:22 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-13 (KKFC-DU7 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 423 | | mg/kg | 40.0 | 20 | 11/29/07 14:27 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-14 (KKFC-DU7 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 558 | | mg/kg | 38.5 | 20 | 11/29/07 14:32 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-15 (KKFC-DU8 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | ND | | mg/kg | 37.0 | 20 | 11/29/07 14:37 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-16 (KKFC-DU8 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | ND | | mg/kg | 40.0 | 20 | 11/29/07 14:41 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-17 (KKFC-DU9 (COARSE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 103 | | mg/kg | 38.8 | 20 | 11/29/07 14:46 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-18 (KKFC-DU9 (FINE) - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 88.9 | | mg/kg | 36.7 | 20 | 11/29/07 14:51 | 11/27/07 | 7K27012 | SW6010B |
| Sample ID: HQK0085-19 (KKFC-DU7 (COARSE) redo - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 394 | | mg/kg | 18.3 | 10 | 12/05/07 12:02 | 12/04/07 | 7L04013 | SW6010B |
| Sample ID: HQK0085-20 (KKFC-DU7 (FINE) redo - Solid/Soil) | | | | | Sampled: 11/15/07 | | Recvd: 11/15/07 11:45 | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | |
| Lead | 532 | | mg/kg | 19.2 | 10 | 12/05/07 12:07 | 12/04/07 | 7L04013 | SW6010B |

Department of Health, HEER Office
919 Ala Moana Boulevard, Room 206
Honolulu, HI 96814
Melody Calisay

Work Order: HQK0085

Received: 11/15/07

Reported: 12/06/07 11:56

Project: DOH-Kaka'ako Keiki Fishing Conservancy

Project Number: [none]

LABORATORY BLANK QC DATA

| Analyte | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|--|------------------|----------------|-------|-----|---------|--------|---------------|----------|-------------|-----------------|-----|--------------|---|
| SPLP Metals | | | | | | | | | | | | | |
| <u>Batch\Seq: 7K27007 Extracted: 11/27/07</u> | | | | | | | | | | | | | |
| Blank Analyzed: 11/28/2007 (7K27007-BLK1) | | | | | | | | | | | | | |
| Lead | | | mg/L | N/A | 0.00500 | ND | | | | | | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | | | | | |
| <u>Batch\Seq: 7K27012 Extracted: 11/27/07</u> | | | | | | | | | | | | | |
| Blank Analyzed: 11/29/2007 (7K27012-BLK1) | | | | | | | | | | | | | |
| Lead | | | mg/kg | N/A | 2.00 | ND | | | | | | | |
| <u>Batch\Seq: 7L04013 Extracted: 12/04/07</u> | | | | | | | | | | | | | |
| Blank Analyzed: 12/05/2007 (7L04013-BLK1) | | | | | | | | | | | | | |
| Lead | | | mg/kg | N/A | 2.00 | ND | | | | | | | |

Department of Health, HEER Office
919 Ala Moana Boulevard, Room 206
Honolulu, HI 96814
Melody Calisay

Work Order: HQK0085

Received: 11/15/07

Reported: 12/06/07 11:56

Project: DOH-Kaka'ako Keiki Fishing Conservancy

Project Number: [none]

LCS/LCS DUPLICATE QC DATA

| Analyte | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|--|------------------|----------------|-------|-----|---------|--------|---------------|----------|-------------|-----------------|-----|--------------|---|
| SPLP Metals | | | | | | | | | | | | | |
| <u>Batch\Seq: 7K27007 Extracted: 11/27/07</u> | | | | | | | | | | | | | |
| LCS Analyzed: 11/28/2007 (7K27007-BS1) | | | | | | | | | | | | | |
| Lead | | 2.00 | mg/L | N/A | 0.00500 | 2.08 | | 104 | | 80-120 | | | |
| Total Metals by SW 846 Series Methods | | | | | | | | | | | | | |
| <u>Batch\Seq: 7K27012 Extracted: 11/27/07</u> | | | | | | | | | | | | | |
| LCS Analyzed: 11/29/2007 (7K27012-BS1) | | | | | | | | | | | | | |
| Lead | | 100 | mg/kg | N/A | 20.0 | 103 | | 103 | | 80-120 | | | |
| <u>Batch\Seq: 7L04013 Extracted: 12/04/07</u> | | | | | | | | | | | | | |
| LCS Analyzed: 12/05/2007 (7L04013-BS1) | | | | | | | | | | | | | |
| Lead | | 100 | mg/kg | N/A | 20.0 | 99.9 | | 100 | | 80-120 | | | |

Department of Health, HEER Office
919 Ala Moana Boulevard, Room 206
Honolulu, HI 96814
Melody Calisay

Work Order: HQK0085

Received: 11/15/07

Reported: 12/06/07 11:56

Project: DOH-Kaka'ako Keiki Fishing Conservancy

Project Number: [none]

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

| Analyte | Source Result | Spike Level | Units | MDL | MRL | Result | Dup Result | % REC | Dup %REC | % REC Limits | RPD | RPD Limit | Q |
|--|---------------|-------------|-------|-------------------------------------|---------|--------|------------|-------|----------|--------------|-----|-----------|-------|
| SPLP Metals | | | | | | | | | | | | | |
| <u>Batch\Seq: 7K27007 Extracted: 11/27/07</u> | | | | | | | | | | | | | |
| Matrix Spike Analyzed: 11/28/2007 (7K27007-MS1) | | | | QC Source Sample: HQK0085-01 | | | | | | | | | |
| Lead | ND | 2.00 | mg/L | N/A | 0.00500 | 2.02 | 2.00 | 101 | 100 | 80-120 | 1 | 20 | |
| Total Metals by SW 846 Series Methods | | | | | | | | | | | | | |
| <u>Batch\Seq: 7K27012 Extracted: 11/27/07</u> | | | | | | | | | | | | | |
| Matrix Spike Analyzed: 11/29/2007 (7K27012-MS1) | | | | QC Source Sample: HQK0085-01 | | | | | | | | | |
| Lead | 1670 | 98.0 | mg/kg | N/A | 19.6 | 458 | 610 | -1240 | -1140 | 80-120 | 29 | 20 | MHA |
| <u>Batch\Seq: 7L04013 Extracted: 12/04/07</u> | | | | | | | | | | | | | |
| Matrix Spike Analyzed: 12/05/2007 (7L04013-MS1) | | | | QC Source Sample: HQK0139-01 | | | | | | | | | |
| Lead | 286 | 93.5 | mg/kg | N/A | 18.7 | 481 | 273 | 208 | -14 | 80-120 | 55 | 20 | M1,R3 |

Department of Health, HEER Office
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Honolulu, HI 96814
Melody Calisay

Work Order: HQK0085

Received: 11/15/07

Reported: 12/06/07 11:56

Project: DOH-Kaka'ako Keiki Fishing Conservancy

Project Number: [none]

CERTIFICATION SUMMARY

TestAmerica - Honolulu, HI

| Method | Matrix | Nelac | Hawaii |
|--------------|------------|-------|--------|
| SW1312/6010B | Solid/Soil | | |
| SW6010B | Solid/Soil | X | |

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

DATA QUALIFIERS AND DEFINITIONS

| | |
|------------|--|
| M1 | The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS). |
| MHA | Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS). |
| R3 | The RPD exceeded the acceptance limit due to sample matrix effects. |
| ND | Not detected at the reporting limit (or method detection limit if shown) |

ADDITIONAL COMMENTS

Chain of Custody / Analysis Request Form

Report to: Melody Calisay

Company name: Department of Health

Address: 919 Ala Moana Blvd. Room 206

City: Honolulu State: HI ZIP: 96814

Phone: 581-7571 Fax: 581-7537

Sampler: # samples in shipment

Project Identification

Job name: Dept. Kakaako Kai Ki Fishing Conservation

Job number: 506108 + Pass thru 250um

P.O. number: 506108 + Pass thru 250um

Contact email address: mcalisay@doh.hawaii.gov

Date results needed: standard TAT

Indicate analyses requested

| Item no. | Client sample ID | COMP | GRAB | Matrix | Preservation method | Date | Time | No. of containers | Company / Agency affiliation | Date / time received | Condition noted |
|----------|------------------|------|------|--------|---------------------|----------|------|-------------------|------------------------------|----------------------|-----------------|
| | | | | | | | | | | | |
| 1 | KKFC-DU1 | | | | | 11/15/07 | | | X | | |
| 2 | KKFC-DU2 | | | | | | | | X | | |
| 3 | KKFC-DU3 | | | | | | | | X | | |
| 4 | KKFC-DU4 | | | | | | | | X | | |
| 5 | KKFC-DU5 | | | | | | | | X | | |
| 6 | KKFC-DU6 | | | | | | | | X | | |
| 7 | KKFC-DU7 | | | | | | | | X | | |
| 8 | KKFC-DU8 | | | | | | | | X | | |
| 9 | KKFC-DU9 | | | | | | | | X | | |
| 10 | | | | | | | | | X | | |

Laboratory ID no. 1101507
103-02
105-03
107-04
109-05
111-06
113-07
115-08
117-09

| Released by (print / sign) | Date / time released | Delivery method | Received by (print / sign) | Date / time received | Condition noted |
|----------------------------|-------------------------|-----------------|----------------------------|-----------------------|------------------|
| <u>mcalisay</u> | <u>11/15/07 11:45am</u> | | <u>See Jimson Carr</u> | <u>11/15/07 11:45</u> | <u>8-10-1002</u> |
| | | | | | |
| | | | | | |

Comments: Pls. do Multi-incremental sub-sampling for Total Pb and SPL Pb for 2mm and 250um.

Please check one:
☐ Dispose by lab
☐ Return to client
☐ Archive