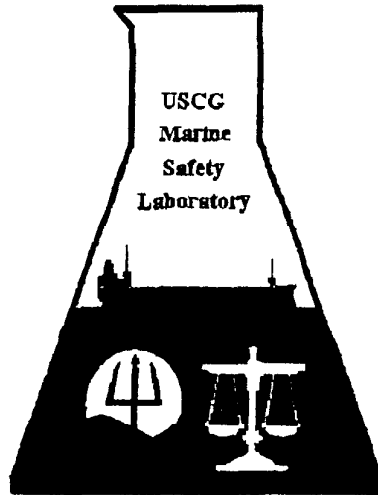


← 20 # 0200  
**FACSIMILE COVER SHEET**



**Manager**

**U. S. Coast Guard Marine Safety Laboratory**

**1082 Shennecossett Road**

**Groton, CT 06340-6094**

**Phone Number: (860) 441-2645**

**Facsimile Number: (860) 441-2641**

**CG E-Mail: Admin/COIL or Internet:**

**SW3: MSL@rdc.uscg.mil**

**SW2: MSL@rdc.uscg.mil/maillant**

**If transmission is incomplete, please call: (860) 441-2645**

Date: 9/15/98

From: PO S ROGERS

To: MR. LE

At Fax Number: 808-522-9270

Number of Pages (including cover sheet): 26

Subject: CASE # 98-281 / 282

Remarks: \_\_\_\_\_

CASE WILL BE REDEK ON 16 SEP 98.

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_

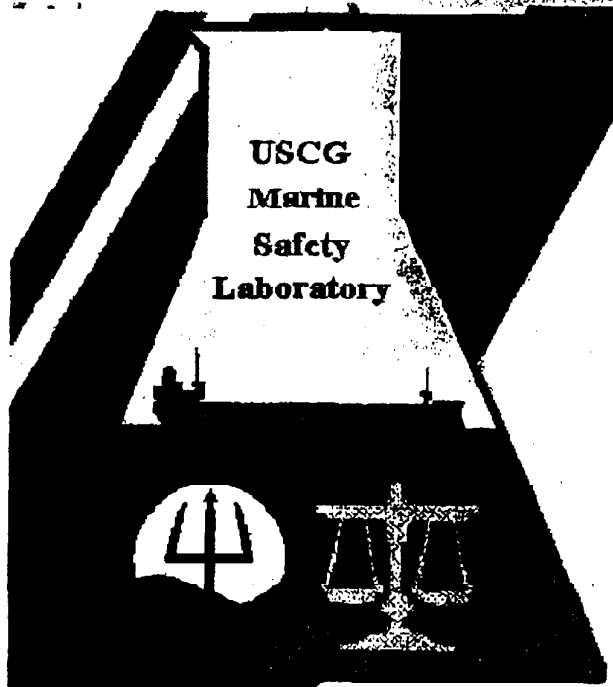
**Oil Sample Analysis Report**

**MSO Honolulu**

**Case Number MC98011773**

**Marine Safety Laboratory**

**Case Number 98-281 / 98-282**



UNITED STATES COAST GUARD MARINE SAFETY LABORATORY  
OIL IDENTIFICATION LABORATORY

OIL SPILL IDENTIFICATION REPORT

LABORATORY CASE NUMBER: 98-281/98-282

REQUESTOR: MSO HONOLULU

UNIT CASE NUMBER: MC98011773

RECEIVED: 10SEP98 VIA: FEDERAL EXPRESS (# 4416905894)

RECEIVED: 11SEP98 VIA: FEDERAL EXPRESS (# 4416905905)

NUMBER OF SAMPLES: SEVENTEEN (17)

LAB NO. OF SPILLS: 98-281-1,2,3,4,7 AND 8 AND 98-282-1,2,3,5,6 AND 9

LAB NO. OF SUSPECTS: 98-281-6

LAB NO. OF NON-OILED BIRD FEATHERS: 98-281-5 AND 98-282-4,7 AND 8

ANALYSIS METHODS:

GAS CHROMATOGRAPHY (GC)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)

SPECIAL INSTRUCTIONS:

1. Compare the samples submitted as one case.

RESULTS:

1. Samples 98-281-1,2,3,4,7 and 8 and 98-282-1,2,3,5,6 and 9 were specified to be representative of spilled oil. Analysis indicates:
  - a. Samples 98-281-1,2,3,7 and 8 and 98-282-1,2,3 and 6 contain an intermediate fuel oil, which has undergone varying degrees of moderate to severe evaporative weathering. The samples contain varying degrees of non-petroleum contamination. However, GC/MS analysis was used to avoid the interference from contaminants and revealed that the characteristics of the petroleum oil are similar for all samples. Of these samples, sample 98-281-7 is the least weathered and was free of contamination.
  - b. Samples 98-282-5 and 9 contain only slight traces of petroleum oil. Results for these samples are of no value for comparison purposes.
2. Suspected source sample 98-281-6 is observed to contain a weathered intermediate fuel oil with characteristics similar to those of the spilled oil samples. Differences noted were consistent with evaporative weathering and contamination of the spilled oil. It should be noted that spill sample 98-281-7 is less evaporatively weathered than sample 98-281-6.
3. Samples 98-281-5 and 98-282-4,7 and 8 contain bird oil, but no detectable quantity of petroleum oil was observed.

CONTINUATION OF OIL SPILL IDENTIFICATION REPORT 98-281/98-282

CONCLUSIONS:

1. Spill samples 98-281-1,2,3,4,7 and 8 and spill samples 98-282-1,2,3 and 6 and source sample 98-281-6 are derived from a common source. No other source of petroleum oil was observed in any sample.
2. Samples 98-282-5 and 9 contain only slight traces of petroleum oil. Results for these samples are inconclusive because of the insufficient quantity of petroleum oil.
3. Samples 98-281-5 and 98-282-4,7 and 8 contain no detectable quantity of petroleum oil. Non-petroleum oil with similar characteristics was observed in the oiled bird feather samples.

*MS Hendrick-Smith*

SUPERVISOR OF ANALYSIS MARTHA HENDRICK-SMITH, Ph. D. DATE: 14SEP98  
Chemist

**United States Coast Guard  
Marine Safety Laboratory**

Sample Check-in Log, MSL Case Number: 98-281

Requestor: MSO Honolulu

Unit Case Number: MC98011773

Federal Project Number

Delivery Method: FEDERAL EXPRESS

Received Date: 10-Sep-98

Delivery Number: 4416905894

Priority: No      Rush: Yes      Comparison: No

| Lab Number<br>98-281 | Sample Descriptions from Sample Jars                          | Spill | Source |
|----------------------|---|-------|--------|
| ✓ 1 M                | 1 TAR PATTY FROM ANHOLA BEACH PARK KAUAI<br>05 SEP 98 0940    | XX    |        |
| ✓ 2 M                | 2 TAR PATTY FROM ALIOMANU BAY KAUAI<br>05 SEP 98 1000         | XX    |        |
| ✓ 3 M                | 3 BIRD FEATHER FROM KAUAI<br>05 SEP 98 1130                   | XX    |        |
| 4 M                  | 1 OILED BIRD FEATHERS<br>29 AUG 98 1100                       | XX    |        |
| 5 M                  | 2 NON-OILED BIRD FEATHERS<br>29 AUG 98 1100                   | XX    |        |
| 6 M                  | 3 TESORO PIPE LINE<br>29 AUG 98 1100                          |       | XX     |
| 7 M                  | 4 TESORO SPILL HULL OF CG PATROL BOAT<br>25 AUG 98 0430       | XX    |        |
| 8 M                  | 5 ORSV CLEAN ISLAND OIL SPILL RESPONSE BOAT<br>29 AUG 98 1600 | XX    |        |
| 9                    |   |       |        |
| 10                   |   |       |        |

#2 -  
#3 -  
#4 -  
#5 -

Remarks: SECOND AIRBILL 4416905802 AND CASE NUMBER MC98011128

Samples checked in by: \_\_\_\_\_ Date: 10 SEP 98  
 Sample Custodian: \_\_\_\_\_ Date: 14 SEP 98  
 Supervisor of Analysis: *Mark Head* \_\_\_\_\_ Date: 14 SEP 98

U.S. Department  
of Transportation

United States  
Coast Guard



Commanding Officer  
Marine Safety Office

433 Ala Moana Blvd.  
Honolulu, HI 96813-4009  
Staff Symbol: Port Ops  
Phone: (808) 522-8260

16460  
8 SEP 98

From: Commanding Officer, Marine Safety Office Honolulu, HI  
To: Commanding Officer, USCG Marine Safety Laboratories

Subj: REQUEST FOR OIL SAMPLE ANALYSIS

1. Request analysis of the 3 samples listed on attached Chain of Custody Record to assist in our investigation of spill case MC98011773.
2. This is a request for rush analysis.
3. Questions concerning this case should be directed to FNMK Kilgore at (808)522-8260.
4. The spill samples were collected from one adult red footed booby on the Island Kauai, and two samples of tar patties from the island of Kauai.
5. The McGill sheen sampling net was not used.
6. Estimate one barrel spilled, clean-up conducted.
7. Weather Conditions at time of Sampling: bright sun, 80 degrees, light and variable winds.
8. Spill did not involve seepage of oil through the soil.
9. There is sand mixed with samples one and two, and number three is a feather in the product.
10. All samples involved in this case are being sent to the laboratory.
11. Identification of pollution type and check to MC98011128.

  
C. DE

By direction

UNITED STATES COAST GUARD  
CHAIN OF CUSTODY RECORDS

SUPERVISOR  
MARINE SAFETY OFFICE  
433 ALA MOANA BLVD. PIER 4  
HONOLULU HAWAII 96813

| SPILL | SOURCE | SAMPLE NO. | DESCRIPTION OF SAMPLES FOR CASE# MC     |
|-------|--------|------------|---|
|       |        | 1          | TAR PATTY FROM ANAHOA BEACH PARK, KAUAI |
|       |        | 2          | TAR PATTY FROM ALIOMANU BAY, KAUAI      |
|       |        | 3          | BIRD FEATHER FROM KAUAI                 |

| PERSON ASSUMING RESPONSIBILITY FOR SAMPLES | TIME/DATE |
|--|-----------|
| FNMK KILBORN USCG                          | 26 Sep 98 |

| SAMPLE NUMBER | RELINQUISHED BY:     | DATE/TIME         | RECEIVED BY:  | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
|---------------|----------------------|-------------------|---|-------------------|------------------------------|
| 1-3           | FNMK KILBORN<br>USCG | 26 Sep 98<br>2800 | <del>_____<br/>TROY FREIHAMMER</del><br>MST 2 ATMSL | 10 SEP 98<br>1410 | LAB ANALYSIS                 |
| SAMPLE NUMBER | RELINQUISHED BY:     | DATE/TIME         | RECEIVED BY:  | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
| SAMPLE NUMBER | RELINQUISHED BY:     | DATE/TIME         | RECEIVED BY:  | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |

U.S. Department  
of Transportation

United States  
Coast Guard



Commanding Officer  
Marine Safety Office

433 Ala Moana Blvd.  
Honolulu, HI 96813-4909  
Staff Symbol: Port Ops  
Phone: (808) 522-8260

16460

From: Commanding Officer, Marine Safety Office Honolulu, HI  
To: Commanding Officer, USCG Marine Safety Laboratories

Subj: REQUEST FOR OIL SAMPLE ANALYSIS

1. Request analysis of the 5 samples listed on attached Chain of Custody Record to assist in our civil penalty case investigation of Tesoro IFO-380 oil spill, case MC9801128.  
1128.
2. This is a request for normal (3-4 days) analysis.
3. Questions concerning this case should be directed to SNMST Tackett at (808)522-8260.
4. The feather samples were collected from one red footed boobie bird by Sea Life Park Hawaii. The Tesoro spill samples were collected from the Tesoro pipeline, hull of a Coast Guard Honolulu patrol boat and OSRV CLEAN ISLANDS.
5. The McGill sheen sampling net was not used.
6. Estimated 10 barrels spilled, clean-up conducted.
7. Weather Conditions at time of Sampling: bright sun, 80 degrees, light and variable winds.
8. Spill did not involve seepage of oil through the soil.
9. There was unknown organic matter from waterfoul in the area. Water polluted with possible multiple unknown sources.
10. Chain of custody started at USCG MSO Honolulu and from OSRV CLEAN ISLANDS.

*A. D. Wiest*  
A. D. WIEST  
By direction



UNITED STATES COAST GUARD  
CHAIN OF CUSTODY RECORDS

SUPERVISOR  
MARINE SAFETY OFFICE  
433 ALA MOANA BLVD. PIER 4  
HONOLULU HAWAII 96813

| SPILL | SOURCE | SAMPLE NO. | DESCRIPTION OF SAMPLES FOR CASE# MC            |
|-------|--------|------------|--|
| X     |        | 1          | OILED FEATHERS                                 |
| X     |        | 2          | NON-OILED FEATHERS                             |
|       | X      | 3          | TESORO PIPELINE                                |
|       | X      | 4          | TESORO SPILL, HULL OF CG HONOLULU PATROL BOAT. |
|       | X      | 5          | ORSV CLEAN ISLAND OIL SPILL RESPONSE BOAT      |

|  |                               |
|--|-------------------------------|
| PERSON ASSUMING RESPONSIBILITY FOR SAMPLES<br><i>MIC<sup>3</sup> STEWART</i> | TIME/DATE<br>3 SEP 98<br>1300 |
|--|-------------------------------|

| SAMPLE NUMBER | RELINQUISHED BY:               | DATE/TIME         | RECEIVED BY:                        | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
|---------------|--------------------------------|-------------------|-------------------------------------|-------------------|------------------------------|
| 1-5           | <i>MIC<sup>3</sup> STEWART</i> | 03 SEP 98<br>1300 | <i>TROY FREEMAN</i><br>MST 2 AT NSL | 10 SEP 98<br>1210 | LAB ANALYSIS                 |
| SAMPLE NUMBER | RELINQUISHED BY:               | DATE/TIME         | RECEIVED BY:                        | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
| SAMPLE NUMBER | RELINQUISHED BY:               | DATE/TIME         | RECEIVED BY:                        | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |

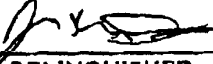
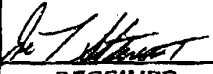
UNITED STATES COAST GUARD  
CHAIN OF CUSTODY RECORDS

SUPERVISOR  
MARINE SAFETY OFFICE  
433 ALA MOANA BLVD. PIER 4  
HONOLULU HAWAII 96813

| SPILL | SOURCE | SAMPLE NO. | DESCRIPTION OF SAMPLES FOR CASE# MC  |
|-------|--------|------------|--------------------------------------|
| X     |        | #1<br>#2   | OILED FEATHERS<br>NON-OILED FEATHERS |

| PERSON ASSUMING RESPONSIBILITY FOR SAMPLES |                    |                    |                                     |                    | TIME/DATE                    |
|--|--------------------|--------------------|-------------------------------------|--------------------|------------------------------|
| SNMST Tackett                              |                    |                    |                                     |                    | 12:40 / 30 AUG 98            |
| SAMPLE NUMBER                              | RELINQUISHED BY:   | DATE/TIME          | RECEIVED BY:                        | DATE/TIME          | REASON FOR CHANGE OF CUSTODY |
| 1  | WSCG SNMST Tackett | 30 AUG 98<br>12:40 | MIK J STEWART<br><i>[Signature]</i> | 30 AUG 98<br>12:40 | LAB analysis                 |
| SAMPLE NUMBER                              | RELINQUISHED BY:   | DATE/TIME          | RECEIVED BY:                        | DATE/TIME          | REASON FOR CHANGE OF CUSTODY |
|  |                    |                    |                                     |                    |                              |
| SAMPLE NUMBER                              | RELINQUISHED BY:   | DATE/TIME          | RECEIVED BY:                        | DATE/TIME          | REASON FOR CHANGE OF CUSTODY |
|  |                    |                    |                                     |                    |                              |

# CHAIN OF CUSTODY RECORD

|   |  |                               |   |           |                     |
|---|--|-------------------------------|---|-----------|---------------------|
| Commanding Officer<br>USCG Marine Safety Office |  |                               |   |           |                     |
| SPILL   | SOURCE   | SAMPLE #                      | DESCRIPTION OF SAMPLES FOR CASE # <i>MC 9801128</i>   |           |                     |
|   | X  | 3                             | TESORO PIPELINE.  |           |                     |
| SAMPLE NUMBERS                                  | RELINQUISHED BY  | DATE/TIME                     | RECEIVED BY   | DATE/TIME | REASON FOR CHANGE   |
| 3   | <i>Bms J. L. Denton</i><br> | <i>03SEP98</i><br><i>1130</i> | <i>MR STEWART</i><br> |           | <i>SEND TO COIL</i> |
| SAMPLE NUMBERS                                  | RELINQUISHED BY  | DATE/TIME                     | RECEIVED BY   | DATE/TIME | REASON FOR CHANGE   |
|   |  |                               |   |           |                     |
| SAMPLE NUMBERS                                  | RELINQUISHED BY  | DATE/TIME                     | RECEIVED BY   | DATE/TIME | REASON FOR CHANGE   |
|   |  |                               |   |           |                     |
| SAMPLE NUMBERS                                  | RELINQUISHED BY  | DATE/TIME                     | RECEIVED BY   | DATE/TIME | REASON FOR CHANGE   |
|   |  |                               |   |           |                     |

# CHAIN OF CUSTODY RECORD

Commanding Officer  
USCG Marine Safety Office

| SPILL | SOURCE   | SAMPLE # | DESCRIPTION OF SAMPLES FOR CASE # <i>MC 9801128</i>   |
|-------|----------|----------|---|
|       | <i>X</i> | <i>4</i> | <i>TESORO SPILL, HULL OF CG HONOLULU PATROL BOAT.</i> |

| SAMPLE NUMBERS | RELINQUISHED BY    | DATE/TIME                 | RECEIVED BY                         | DATE/TIME                 | REASON FOR CHANGE       |
|----------------|--------------------|---------------------------|-------------------------------------|---------------------------|-------------------------|
| <i>4</i>       | <i>[Signature]</i> | <i>250700W<br/>AUG 98</i> | <i>MK'S STEWART<br/>[Signature]</i> | <i>250740W<br/>AUG 98</i> | <i>Send TO<br/>COLL</i> |
| SAMPLE NUMBERS | RELINQUISHED BY    | DATE/TIME                 | RECEIVED BY                         | DATE/TIME                 | REASON FOR CHANGE       |
| SAMPLE NUMBERS | RELINQUISHED BY    | DATE/TIME                 | RECEIVED BY                         | DATE/TIME                 | REASON FOR CHANGE       |
| SAMPLE NUMBERS | RELINQUISHED BY    | DATE/TIME                 | RECEIVED BY                         | DATE/TIME                 | REASON FOR CHANGE       |

**UNITED STATES COAST GUARD  
CHAIN OF CUSTODY RECORDS**

SUPERVISOR  
MARINE SAFETY OFFICE  
433 ALA MOANA BLVD. PIER 4  
HONOLULU HAWAII 96813

| SPILL | SOURCE | SAMPLE NO. | DESCRIPTION OF SAMPLES FOR CASE# MC       |
|-------|--------|------------|---|
|       | X      | 5          | ORSV CLEAN ISLAND OIL SPILL RESPONSE BOAT |

|  |                           |
|--|---------------------------|
| PERSON ASSUMING RESPONSIBILITY FOR SAMPLES<br><i>BM DENTRY</i><br><i>[Signature]</i> | TIME/DATE<br>8/29/98 1516 |
|--|---------------------------|

| SAMPLE NUMBER | RELINQUISHED BY:                             | DATE/TIME         | RECEIVED BY:                                  | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
|---------------|--|-------------------|---|-------------------|------------------------------|
| 5             | BM <sup>3</sup> DENTRY<br><i>[Signature]</i> | 1000<br>29 AUG 98 | MK <sup>3</sup> STEWART<br><i>[Signature]</i> | 1000<br>29 AUG 98 | LAB<br>ANALYSIS              |
| 5             | MK STEWART<br><i>[Signature]</i>             | 1300<br>29 AUG 98 |   |                   | LAB<br>ANALYSIS              |
| SAMPLE NUMBER | RELINQUISHED BY:                             | DATE/TIME         | RECEIVED BY:                                  | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |



UNITED STATES COAST GUARD MARINE SAFETY LABORATORY  
OIL SPILL IDENTIFICATION LABORATORY

OIL SPILL IDENTIFICATION REPORT

LABORATORY CASE NUMBER: 98-281/98-282

REQUESTOR: MSO HONOLULU

UNIT CASE NUMBER: MC98011773

RECEIVED: 10SEP98 VIA: FEDERAL EXPRESS (# 4416905894)

RECEIVED: 11SEP98 VIA: FEDERAL EXPRESS (# 4416905905)

NUMBER OF SAMPLES: SEVENTEEN (17)

LAB NO. OF SPILLS: 98-281-1,2,3,4,7 AND 8 AND 98-282-1,2,3,5,6 AND 9

LAB NO. OF SUSPECTS: 98-281-6

LAB NO. OF NON-OILED BIRD FEATHERS: 98-281-5 AND 98-282-4,7 AND 8

ANALYSIS METHODS:

GAS CHROMATOGRAPHY (GC)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)

SPECIAL INSTRUCTIONS:

1. Compare the samples submitted as one case.

RESULTS:

1. Samples 98-281-1,2,3,4,7 and 8 and 98-282-1,2,3,5,6 and 9 were specified to be representative of spilled oil. Analysis indicates:
  - a. Samples 98-281-1,2,3,7 and 8 and 98-282-1,2,3 and 6 contain an intermediate fuel oil, which has undergone varying degrees of moderate to severe evaporative weathering. The samples contain varying degrees of non-petroleum contamination. However, GC/MS analysis was used to avoid the interference from contaminants and revealed that the characteristics of the petroleum oil are similar for all samples. Of these samples, sample 98-281-7 is the least weathered and was free of contamination.
  - b. Samples 98-282-5 and 9 contain only slight traces of petroleum oil. Results for these samples are of no value for comparison purposes.
2. Suspected source sample 98-281-6 is observed to contain a weathered intermediate fuel oil with characteristics similar to those of the spilled oil samples. Differences noted were consistent with evaporative weathering and contamination of the spilled oil. It should be noted that spill sample 98-281-7 is less evaporatively weathered than sample 98-281-6.
3. Samples 98-281-5 and 98-282-4,7 and 8 contain bird oil, but no detectable quantity of petroleum oil was observed.

CONTINUATION OF OIL SPILL IDENTIFICATION REPORT 98-281/98-282

CONCLUSIONS:

1. Spill samples 98-281-1,2,3,4,7 and 8 and spill samples 98-282-1,2,3 and 6 and source sample 98-281-6 are derived from a common source. No other source of petroleum oil was observed in any sample.
2. Samples 98-282-5 and 9 contain only slight traces of petroleum oil. Results for these samples are inconclusive because of the insufficient quantity of petroleum oil.
3. Samples 98-281-5 and 98-282-4,7 and 8 contain no detectable quantity of petroleum oil. Non-petroleum oil with similar characteristics was observed in the oiled bird feather samples.

*MS Hendrick-Smith*

SUPERVISOR OF ANALYSIS MARTHA HENDRICK-SMITH, Ph. D. DATE: 14SEP98  
Chemist



**United States Coast Guard  
Marine Safety Laboratory**

Sample Check-in Log, MSL Case Number: 98-282

Requestor: MSO Honolulu

Unit Case Number: MC98011773

Federal Project Number

Delivery Method: FEDERAL EXPRESS

Received Date: 11-Sep-98

Delivery Number: 4416905905

Priority: No      Rush: Yes      Comparison: Yes

| Lab Number<br>98-282  | Sample Descriptions from Sample Jars  | Spill | Source |
|---|---|-------|--------|
| ✓ 1 M   | 1 OILED RED FOOTED BOOBY FEATHER WAILUA BEACH NEAR GOLF COURSE<br>05 SEP 98 | XX    |        |
| ✓ 2 M   | 2 RED FOOTED BOOBY FEATHER OILED BELOW CRELLER HILL<br>06 SEP 98            | XX    |        |
| ✓ 3 M   | 3 OILED RED FOOTED BOOBY FEATHER LARSONS BEACH<br>06 SEP 98                 | XX    |        |
| 4 <i>Not Ret'd<br/>Similar</i>  | 2 CLEAN BIRD FEATHERS SEA LIFE PARK<br>07 SEP 98                            | XX    |        |
| 5 <del>XXXX</del>   | 2 OILED BIRD FEATHERS SEA LIFE PARK<br>07 SEP 98                            | XX    |        |
| 6 M   | 4 OILED BIRD FEATHER SEA LIFE PARK<br>08 SEP 98                             | XX    |        |
| 7 <i>Not Ret'd<br/>Similar</i>  | 4 CLEAN BIRD FEATHERS SEA LIFE PARK<br>08 SEP 98                            | XX    |        |
| 8 <i>Not Ret'd<br/>Similar</i>  | 3 CLEAN BIRD FEATHERS SEA LIFE PARK<br>07 SEP 98                            | XX    |        |
| 9 <del>XXXX</del>   | 3 OILED BIRD FEATHERS SEA LIFE PARK<br>07 SEP 98                            | XX    |        |
| 10  |   |       |        |
| Remarks: COMPARE WITH MSL CASE 98-281 THE SPELLING OF WORD IN 98-282-2 CRELLER IS NOT CLEAR ON SAMPLE LABEL |   |       |        |

Samples checked in by: [Signature] Date: 11 SEP 98  
 Sample Custodian: [Signature] Date: 11 SEP 98  
 Supervisor of Analysis: Martha Henderson Date: 10 SEP 98

U.S. Department  
of Transportation

United States  
Coast Guard



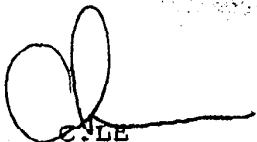
Commanding Officer  
Marine Safety Office

16460  
9 SEP 98

From: Commanding Officer, Marine Safety Office Honolulu, HI  
To: Commanding Officer, USCG Marine Safety Laboratories

Subj: REQUEST FOR OIL SAMPLE ANALYSIS

1. Request analysis of the 6 samples listed on attached Chain of Custody Record to assist in our investigation of spill case MC98011778.
2. This is a request for rush analysis.
3. Questions concerning this case should be directed to FNMK Kilgore at (808)522-8260.
4. The spill samples were collected from three adult Red Footed Boobies on the Island, Kauai.
5. The McGill sheen sampling net was not used.
6. Estimate one barrel spilled, clean-up was conducted.
7. Weather Conditions at time of Sampling: bright sun, 80 degrees, light and variable winds.
8. Spill did not involve seepage of oil through the soil.
9. There were no unknown organic matter from water foul in the area. Water was not polluted with possible multiple unknown sources.
10. All samples involved in this case are being sent to the laboratory.
11. Identification of pollution type and check to MC9801128

  
C. LE  
By direction



U.S. Department  
of Transportation

United States  
Coast Guard



Commanding Officer  
Marine Safety Office

433 Ala Moana Blvd.  
Honolulu, HI 96813-4909  
Off Symbol: Port Ops  
Phone: (808) 522-8260

16460  
9 SEP 98

From: Commanding Officer, Marine Safety Office Honolulu, HI  
To: Commanding Officer, USCG Marine Safety Laboratories

Subj: REQUEST FOR OIL SAMPLE ANALYSIS

1. Request analysis of the 3 samples listed on attached Chain of Custody Record to assist in our investigation of spill case MC98011779.
2. This is a request for rush analysis.
3. Questions concerning this case should be directed to FNMK Kilgore at (808)522-8260.
4. The spill samples were collected from three adult Red Footed Boobies on the Island, Kauai.
5. The McGill sheen sampling net was not used.
6. Estimate one barrel spilled, clean-up was conducted.
7. Weather Conditions at time of Sampling: bright sun, 80 degrees, light and variable winds.
8. Spill did not involve seepage of oil through the soil.
9. There were no unknown organic matter from water foul in the area. Water was not polluted with possible multiple unknown sources.
10. All samples involved in this case are being sent to the laboratory.
11. Identification of pollution type and check to MC98011128.

A handwritten signature in black ink, appearing to be "C. LE".

C. LE  
By direction

UNITED STATES COAST GUARD  
CHAIN OF CUSTODY RECORDS

SUPERVISOR  
MARINE SAFETY OFFICE  
433 ALA MOANA BLVD. PIER 4  
HONOLULU HAWAII 96813

| SPILL | SOURCE | SAMPLE NO. | DESCRIPTION OF SAMPLES FOR CASE# MO98011773                    |
|-------|--------|------------|--|
| X     |        | 1          | OILED Red Footed Booby Feather, Waikua Beach near golf course. |
| X     |        | 2          | Red Footed Booby Feather, Oahu.                                |
| X     |        | 3          | Oiled Red Footed Booby Feather, Lanons, Beach                  |

| PERSON ASSUMING RESPONSIBILITY FOR SAMPLES |                      |                 |  |                   | TIME/DATE                    |
|--|----------------------|-----------------|--|-------------------|------------------------------|
| FNMK KILGORE US COAST GUARD                |                      |                 |  |                   | 0815 9 Sep 98                |
| SAMPLE NUMBER                              | RELINQUISHED BY:     | DATE/TIME       | RECEIVED BY:   | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
| 1-3  | FNMK KILGORE<br>USCG | 9 Sep 98<br>JES | <del>FNMK KILGORE</del><br>TROY FREINAMMER<br>MSTZ ATMSL | 11 Sep 98<br>1955 | LAB ANALYSIS                 |
| SAMPLE NUMBER                              | RELINQUISHED BY:     | DATE/TIME       | RECEIVED BY:   | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
|  |                      |                 |  |                   |                              |
| SAMPLE NUMBER                              | RELINQUISHED BY:     | DATE/TIME       | RECEIVED BY:   | DATE/TIME         | REASON FOR CHANGE OF CUSTODY |
|  |                      |                 |  |                   |                              |

MARINE SAFETY LABORATORIES  
OIL IDENTIFICATION LABORATORY

QUALITY CONTROL SHEET

MSL CASE NUMBER: 98-282 DATE PREPARED: 11 SEP 98

A Quality Control (QC) sample was analyzed along with the samples of the case.

- The Quality Control (QC) sample is a duplicate of sample \_\_\_\_\_.
- Due to limited sample quantity in all samples of the case, reference oil D-006-EX from the MSL oil library was used for the Quality Control (QC) and Quality Control Match (QCM) samples.
- Infrared Spectroscopy was used as a screening method before final sample preparation. No QC sample was available during IR screening.

ANALYTICAL METHODS

INFRARED SPECTROSCOPY (IR)

GAS CHROMATOGRAPHY (GC)

FLUORESCENCE SPECTROSCOPY (FL)

GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC-MS)

|  | SAT | N/A |
|--|-----|-----|
| INFRARED SPECTROSCOPY (IR)                   |     | X   |
| GAS CHROMATOGRAPHY (GC)                      | X   |     |
| FLUORESCENCE SPECTROSCOPY (FL)               |     | X   |
| GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC-MS) | X   |     |

The data and conclusions for the QC and QCM samples were identical: YES X NO \_\_\_\_\_

Comments:

*Note - data in case file  
for comparison case 98-281.*

SUPERVISOR OF ANALYSIS: MSL Andrew Smith DATE: 15 Sep 98  
Revised 2/96

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**United States Coast Guard  
Marine Safety Laboratory**

**Oil Spill Identification Analyses  
Cost Recovery Documentation**

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**Laboratory Case Number:** 98-281/98-282  
**Requestor:** MSO Honolulu  
**Unit Case Number:** MC98011773  
**Number of Samples:** 17  
**Cost Per Sample Prepared:** \$20.00  
**Total Costs of Sample Preparation:** \$340.00  
**Number of Analyses:** 46  
**Cost Per Sample Prepared:** \$86.00  
**Total Costs for Analysis:** \$3,956.00  
**TOTAL COSTS:** \$4,296.00

This documentation is provided for purposes of Phase IV - Documentation and Cost Recovery under the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR Part 300)

**Signature:** W.B. Henderson Smith **Date:** 15-Sep-98