Oil Sample Analysis Report

NOAA Marine Fisheries Service Case Number LA436

Marine Safety Laboratory Case Number 11-082



U.S. Department of Homeland Security



Manager U.S. Coast Guard Marine Safety Laboratory

1 Chelsea Street New London, CT 06320 Phone: (860) 271-2704 Fax: (860) 271-2641

16450 19 Jan 2011

NOAA Marine Fisheries Service Attn: Elizabeth Tuohy-Sheen **SEFSC** 75 Virginia Beach Drive Miami, FL 33149

Dear Elizabeth Tuohy-Sheen:

The laboratory analysis of this case has been completed and our report is forwarded. The technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request. We will maintain the oil samples in refrigerated storage pending final case disposition.

Questions concerning this report or the analytical methods used should be directed to the Supervisor of Analysis, Kristy Juaire.

Encl: (1) MSL Report 11-082

United States Coast Guard Marine Safety Laboratory Oil Spill Identification Report 11-082

Requestor: NOAA Marine Fisheries Service

Unit Case/Activity Number: LA436

Received:

11-Jan-11

Via: Federal Express

8736 0139 3554

Number Of Samples: 5

Lab NO. of Spills: n/a

Lab NO. of Suspects: 1, 2, 3, 4 and 5

Lab NO. of Background: n/a

Analysis Methods:

✓ GAS CHROMATOGRAPHY (GC) GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS) INFRARED SPECTROSCOPY (IR)

Laboratory's Conclusion (as explained below): OTHER

SPECIAL INSTRUCTIONS: Compare all samples to the Deepwater Horizon oil spill. Samples 10-095-1 and 10-220-6 were reanalyzed as representative Deepwater Horizon samples.

RESULTS:

- 1. Samples 11-082-1, 2, 3, 4 and 5 do not contain a quantity of petroleum oil detectable by the analysis conducted.
- 2. Samples 10-095-1 and 10-220-6 contain crude oil.

CONCLUSIONS:

1. Samples 11-082-1, 2, 3, 4 and 5 are not useful for comparison purposes due to an insufficient quantity of petroleum oil in the samples.

SUPERVISOR OF ANALYSIS

K. JUNIRE Justy Junire

DATE 17-Jan-11

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United States Coast Guard Marine Safety Laboratory

Oil Spill Identification Analysis Cost Recovery Documentation

11-082 **Laboratory Case Number:**

> NOAA Marine Fisheries Service Requestor:

Unit Case Number: LA436

7 **Number of Samples:**

Cost Per Sample Prepared: \$20.00

Total Costs of Sample Preparation: \$140.00

> Number of Analysis: 10

Cost Per Sample Prepared: \$86.00

\$860.00 **Total Costs for Analysis:**

> **TOTAL COSTS:** \$1,000.00

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:

Date: 19 Jan 2011

United States Coast Guard Marine Safety Laboratory Sample Check-In Log

MSL Case/Activity Number: 11-082

Requestor: NOAA Marine Fisheries Service		Unit Case Number LA436						
Federal Project	Number:		Deliver	ry Method:	Pederal Express	5		
Received Date: 11 Jan 11			Delivery Number: 8736 0139 3554					
Priority:	Yes	Rush:	No	Compari	son Yes			
Lab Number 11-082	S	Sample Description	s from Samp	le Jars	Spill	Source		
1	LA436 12-3-10 ESOPHAGEAL CONTENTS					~		
2	LA436 MCT 20101203-001 2 TONGUE DEPRESSORS					V		
3	LA436 MCT 20101203-001 2 TONGUE DEPRESSORS					V		
4	LA436 MCT	20101203 LA001 2 SW/	ABS		[managed and managed and manag	V		
5	LA436 MCT	20101203 LA001 2 SW	ABS			V		
6								
7								
8								
9								
10						Construction and an analysis of the construction of the constructi		
Remarks: Compa	are to DWH. Samples	'Source' designations	were derived fi	rom the sample desc	criptions.	<u> </u>		
Samples checked in by: SK2 FRANKLIN PINE 2		C/Z	Da	te: 11 Jan	11			
Sample Custodian: MST2 JOHN AGAPITO		Last	Da	te: 113A	NI			
Supervisor of Analysis: K. JUAIRE Printy france			Da	te: 17 Jai	17 Jan 11			
		Page 1	of 1					

United States Coast Guard Marine Safety Laboratory Sample Check-In Log

Unit Case Number 3721503

MSL Case/Activity Number: 10-095

Requestor: Marine Safety Unit Morgan City

Federal Project Number: N10036			Delive	Delivery Method: Federal Express				
Received Dat	te:	14 May 10		Deliver	y Number:	8697 976	1 8027 / 8	3049
Priori	ty: Yes		Rush:	No	Comp	parison	No	,
Lab Number 10-095		Sample 1	Descriptions	from Samp	le Jars	***************************************	Spill	Source
1	DTS-6 5,	,000 FT VESSEL: SK	ANDI - NEPTU	INE 65% OIL	KMS,ADM 5-5-10 18	13		•
2	DTS-6 V	ESSEL: SKANDI NE	PTUNE < 1% (OIL BOTTOM				•
3								
4								
5								
6							The control of the co	
7						•		
8								
9	,					•		
10								O I I I I I I I I I I I I I I I I I I I
Remarks: ID	ONLY.							
Samples checked in by: MSTI ALICIA TODMAN Date:		14 May 10						
Sample Custodian: MST2 JOHN AGA		PITO D	hlat		Date:	ate: 5/51/10		
Supervisor of	Analysis:	K. JUART Jus	ty fuor	به		Date:	KLJ	LJUDJ
		`	Page 1	of 1				

United States Coast Guard Marine Safety Laboratory Sample Check-In Log

MSL Case/Activity Number: 10-220

Requestor:	Sector	Mobile
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Unit Case Number 3789039

Federal Project Number:

Delivery Method: Federal Express

Received Date:

09 Jul 10

Delivery Number: 8726 4052 5936/5925

Priority: No Rush: No Comparison Yes Lab Number Sample Descriptions from Sample Jars Spill Source 10-220 PCI PASS CHRISTIAN BEACH MISS TAR BALL 1 V 7JULY10 1016 PC2 PASS CHRISTIAN BEACH MISS. TAR BALL 2 V 7JULY10 1020 LBI LONG BEACH MISS TAR BALLS 3 **V** 7JULY10 1123 LB2 LONG BEACH MISS TAR BALLS 4 **V** 3789039-GS1-SMW FIRST TAR PATTY TAKEN FROM GULF SHORES, AL. 5 V 3789039-GS2-SMW SECOND TAR PATTY TAKEN FROM GULF SHORES, AL. 6 **✓** 3789039-FM1-SMW FIRST TAR PATTY TAKEN FROM FORT MORGAN, AL. . 🗸[. ..] 07JUL2010 3789039-FM2-SMW SECOND TAR PATTY TAKEN FROM FORT MORGAN, AL. 8 **V** 3789039-DII-SMW FIRST TAR PATTY TAKEN FROM DAUPHIN ISLAND, AL. 9 **V** 07JUL2010 3789039-DI2-SMW SECOND TAR PATTY TAKEN FROM DAUPHIN ISLAND, 10 **V** 07JUL2010 Remarks: Compare to Deepwater Horizon. Samples checked in by: Salur a Cote Date: MST3 ZACHARY COTE 09 Jul 10 Sample Custodian: MST2 JOHN AGAPITO Date: 17770010 Supervisor of Analysis: K. JUAIRE 14 JULIO