

# **Oil Sample Analysis Report**

**U. S. EPA Region V  
Case Number E10516**

**Marine Safety Laboratory  
Case Number 10-062**



U.S. Department of  
Homeland Security

**United States  
Coast Guard**



Manager  
U.S. Coast Guard  
Marine Safety Laboratory

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16450  
02 Apr 2010

U. S. Environmental Protection Agency  
Attn: On-Scene Coordinator  
25089 Center Ridge Road  
Mail Code: ME-W  
West Lake, OH 44145

Dear On-Scene Coordinator:

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 The technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request.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 Juare.

  
K. JUARE  
By direction

Encl: (1) MSL Report 10-062

**United States Coast Guard  
Marine Safety Laboratory  
Oil Spill Identification Report  
10-062**

**Requestor:** U. S. EPA Region V

**Unit Case/Activity Number:** E10516

**Received:** 01-Apr-10

**Via:** Federal Express 8692 6996 4454

**Number Of Samples:** 4

**Lab NO. of Spills:** 1, 2, 3 and 4

**Lab NO. of Suspects:** n/a

**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): ID ONLY**

**RESULTS:**

1. Samples 10-062-1, 2, 3 and 4 were specified to be representative of spilled oil. These samples are virtually identical to each other and contain lubricating oil. There are some data to suggest the presence of a small amount of light fuel oil, but the quantity is not sufficient for conclusive identification. There is a very light, non-petroleum contaminant in the samples.

**CONCLUSIONS:**

1. Samples 10-062-1, 2, 3 and 4 represent different portions of the same spilled petroleum oil. No "real" differences were observed between these samples.

**SUPERVISOR OF ANALYSIS**

K. JUAIRE



**DATE**

02-Apr-10

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**United States Coast Guard  
Marine Safety Laboratory**

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**Oil Spill Identification Analysis  
Cost Recovery Documentation**

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**Laboratory Case Number:** 10-062

**Requestor:** U. S. EPA Region V

**Unit Case Number:** E10516

**Number of Samples:** 5

**Cost Per Sample Prepared:** \$20.00

**Total Costs of Sample Preparation:** \$100.00

**Number of Analysis:** 12

**Cost Per Sample Prepared:** \$86.00

**Total Costs for Analysis:** \$1,032.00

**TOTAL COSTS:** \$1,132.00

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:** 02 Apr 2010

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

**MSL Case/Activity Number: 10-062**

**Requestor:** U. S. EPA Region V

**Unit Case Number** E10516

**Federal Project Number:** E10516

**Delivery Method:** Federal Express

**Received Date:** 01 Apr 10

**Delivery Number:** 8692 6996 4454

**Priority:** No

**Rush:** No

**Comparison** No

Lab Number 10-062	Sample Descriptions from Sample Jars	Spill	Source
1	OIL ON DITCH WATER 3-29-10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	OIL ON DITCH WATER 3-29-10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	OIL ON DITCH WATER 3-29-10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	OIL ON DITCH WATER 3-29-10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>
7		<input type="checkbox"/>	<input type="checkbox"/>
8		<input type="checkbox"/>	<input type="checkbox"/>
9		<input type="checkbox"/>	<input type="checkbox"/>
10		<input type="checkbox"/>	<input type="checkbox"/>
<b>Remarks:</b> ID Only.			

**Samples checked in by:** MST3 KATIE WILSON

**Date:** 01 Apr 10

**Sample Custodian:** MST2 JOHN AGAPITO

**Date:** 02 APR 10

**Supervisor of Analysis:** K. JUAREZ

**Date:** 02 Apr 10