

**RECEIVED**

By OCD; Dr. Oberding at 10:23 am, Mar 31, 2015

**Sharp Oilfield Services  
Waste Oil Cleanup  
Closure Report  
Section 4, T23S, R37E  
Lea County, New Mexico  
RP-3483**

**March 26, 2015**

**APPROVED**

By OCD; Dr. Oberding at 10:24 am, Mar 31, 2015



**Prepared for:**

**Sharp Oilfield Services  
211 West Main  
Gainesville, Texas 76241**

**By:**

***Safety & Environmental Solutions, Inc.  
703 East Clinton Street  
Hobbs, New Mexico 88240  
(575) 397-0510***

## TABLE OF CONTENTS

<b>I. COMPANY CONTACTS.....</b>	<b>1</b>
<b>II. BACKGROUND.....</b>	<b>1</b>
<b>III. SURFACE AND GROUND WATER.....</b>	<b>1</b>
<b>IV. CHARACTERIZATION.....</b>	<b>1</b>
<b>V. WORK PERFORMED.....</b>	<b>1</b>
<b>VI. ACTION PLAN.....</b>	<b>2</b>
<b>VII. FIGURES &amp; APPENDICES .....</b>	<b>3</b>
Figure 1 – Vicinity Map.....	4
Figure 2 – Site Plan .....	5
Appendix A – Analytical Results .....	9
Appendix B – C-141 .....	29

**I. Company Contacts**

Representative	Company	Telephone	E-mail
Taylor Allbritton	Sharp Oilfield Services	940-312-3858	tallbritton@sharpoilfieldservices.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

**II. Background**

Safety and Environmental Solutions, Inc. (SESI) was engaged by Sharp Oilfield Services to perform site assessment of a release area located in Section 4 of Township 23 South, Range 37 East, Lea County, New Mexico.

According to the C-141 the cause of release was truck turnover.

**III. Surface and Ground Water**

The nearest groundwater of record is approximately 1.0 mile south of the site. The New Mexico Office of State Engineer record is in Section 9 Range 37 East and Township 23 South. The reported depth was 100 feet below ground surface (BGS).

**IV. Characterization**

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH).

<b>Depth to Ground Water:</b>			
(Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet	20 points	
	50 feet to 99 feet	10 points	
	>100 feet	0 points	<b>X</b>
<b>Wellhead Protection Area:</b>			
(Less than 200 feet from a private domestic water source; or less than 1000 feet from all other water sources)	Yes	20 points	
	No	0 points	<b>X</b>
<b>Distance to Surface Water:</b>			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 200 feet	20 points	
	200 feet to 1000 feet	10 points	
	>1000 feet	0 points	<b>X</b>
<b>RANKING SCORE (TOTAL POINTS)</b>			<b>0</b>

**V. Work Performed**

On December 29, 2014, Safety & Environmental Solutions, Inc. was onsite to determine vertical extent of impact. Samples AH-1 and AH-2 was taken at a depth of 1.5', Sample AH-3 was taken at a depth of 2' and sample AH-4 was taken at a depth of 1'. All samples were properly packaged, preserved and transported to a commercial Laboratory, Hobbs New Mexico and analyzed for Benzene, Toluene, Ethylbenzene,

Xylenes, Total BTEX and Chloride (Cl<sup>-</sup>) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

Sample Date 12/29/2014	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX
Depth	Method					
AH-1 at 1.5'	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
AH-2 at 1.5'	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
AH-3 at 2'	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
AH-4 at 1'	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300

Sample Date 05/03/2014	Sample ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	EXT DRO (>C <sub>28</sub> -C <sub>35</sub> ) (mg/kg)
Depth	Method			
AH-1 at 1.5'	TPH 8015M	<10.0	<10.0	<10.0
AH-2 at 1.5'	TPH 8015M	<10.0	380	120
AH-3 at 2'	TPH 8015M	<10.0	52	<10.0
AH-4 at 1'	TPH 8015M	<10.0	<10.0	<10.0

Sample Date 02/25/2015	Sample ID	Sample ID Total BTEX	Sample ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
Depth	Method		Method		
SP-1 Bottom	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.0
SP-2 Bottom	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.0
SP-3 Bottom	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.0
SP-4 Bottom	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.0
SP-5 West Wall	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.0
SP-6 West Wall	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.0
SP-7 East Wall	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.0
SP-8 East Wall	BTEX 8021B	<0.300	TPH 8015M	<10.0	<10.00

## VI. Closure

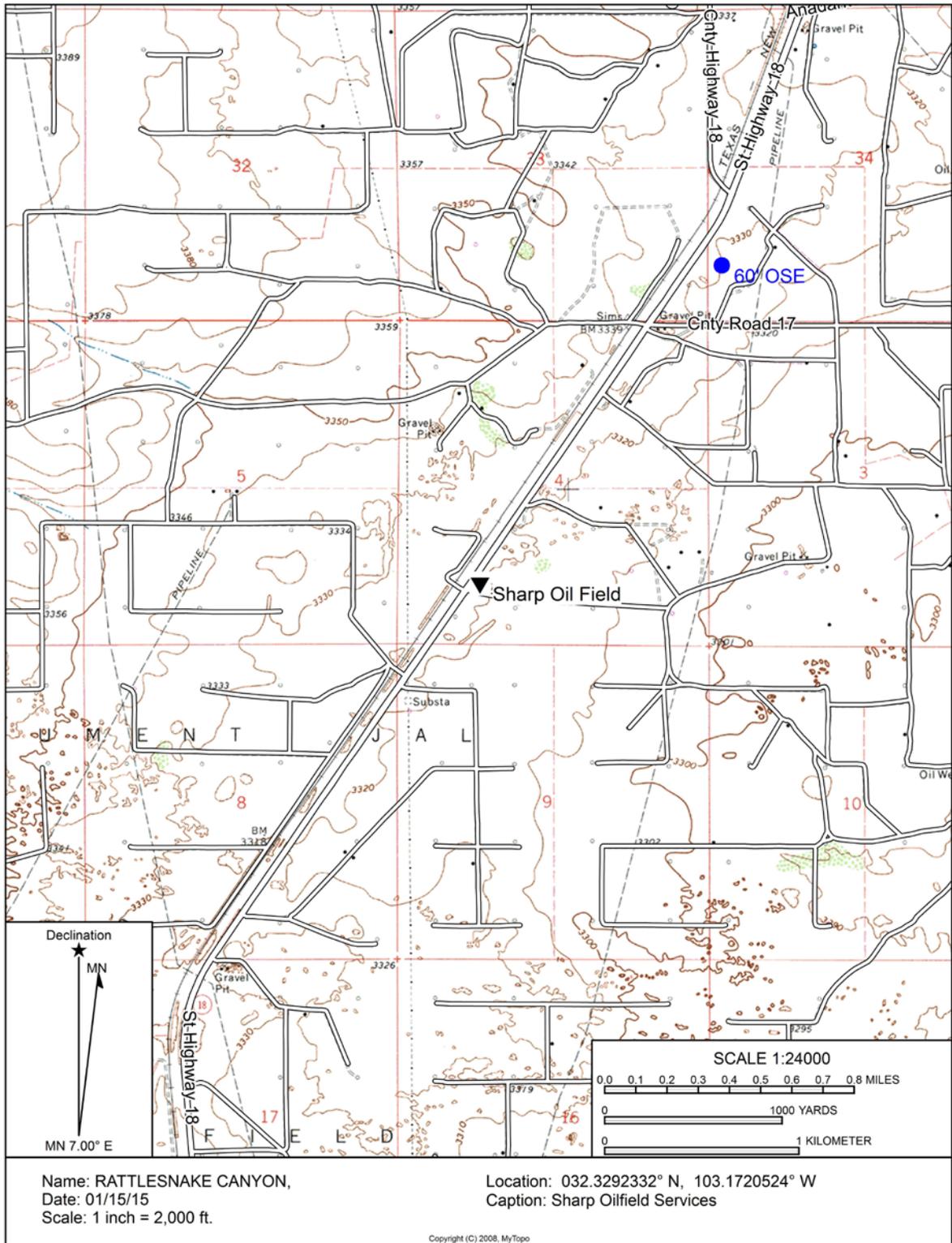
The entire impacted area was excavated to a depth of 2' bgs. And all contaminated soil was removed and transported to the Gandy Marley, an NMOCD approved facility. On February 25, 2015 Safety and Environmental Solutions, Inc. personnel were on site following remediation activities to retrieve representative soil samples of the bottom excavation floor, as well as vertical side wall samples. These were sent to a commercial laboratory in Hobbs, NM for analyses. The results returned were within NMOCD guidelines; therefore the excavation was backfilled and returned to grade. No further remediation is required.

Safety and Environmental Solutions, Inc. respectfully requests closure of the regulatory file for this site.

**VII. Figures & Appendices**

- Figure 1 – Vicinity Map
- Figure 2 – Site Plan
- Figure 3 – NMOCD Trend Map
- Appendix A – Analytical Results
- Appendix B – C-141

**Figure 1**  
**Vicinity Map**



Name: RATTLESNAKE CANYON,  
 Date: 01/15/15  
 Scale: 1 inch = 2,000 ft.

Location: 032.3292332° N, 103.1720524° W  
 Caption: Sharp Oilfield Services

**Figure 2**  
**Site Plan**



## Sharp Oilfield Services

# **Appendix A**

## **Analytical Results**



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

January 05, 2015

Bob Allen  
Safety & Environmental Solutions  
703 East Clinton  
Hobbs, NM 88240

RE: SHARP WASTE OIL CLEAN-UP

Enclosed are the results of analyses for samples received by the laboratory on 12/29/14 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

Safety & Environmental Solutions  
Bob Allen  
703 East Clinton  
Hobbs NM, 88240  
Fax To: (575) 393-4388

Received:	12/29/2014	Sampling Date:	12/29/2014
Reported:	01/05/2015	Sampling Type:	Soil
Project Name:	SHARP WASTE OIL CLEAN-UP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: AH-1 1.5' BGS (H403935-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81		
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49		
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81		
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31		
Total BTEX	<0.300	0.300	12/30/2014	ND						

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	12/30/2014	ND	180	90.0	200	2.63		
DRO >C10-C28	<10.0	10.0	12/30/2014	ND	186	93.0	200	9.74		
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 66.2-142  
 Surrogate: 1-Chlorooctane 89.8 % 47.2-157  
 Surrogate: 1-Chlorooctadecane 85.8 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	12/29/2014	Sampling Date:	12/29/2014
Reported:	01/05/2015	Sampling Type:	Soil
Project Name:	SHARP WASTE OIL CLEAN-UP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: AH-2 1.5' BGS (H403935-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81		
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49		
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81		
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31		
Total BTEX	<0.300	0.300	12/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 66.2-142

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	12/30/2014	ND	180	90.0	200	2.63		
DRO >C10-C28	380	10.0	12/30/2014	ND	186	93.0	200	9.74		
EXT DRO >C28-C35	120	10.0	12/30/2014	ND						

Surrogate: 1-Chlorooctane 90.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.0 % 52.1-176

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	12/29/2014	Sampling Date:	12/29/2014
Reported:	01/05/2015	Sampling Type:	Soil
Project Name:	SHARP WASTE OIL CLEAN-UP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: AH-3 2' BGS (H403935-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81		
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49		
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81		
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31		
Total BTEX	<0.300	0.300	12/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 66.2-142

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82		
<b>DRO &gt;C10-C28</b>	<b>52.8</b>	10.0	12/30/2014	ND	231	115	200	0.909		
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND						

Surrogate: 1-Chlorooctane 85.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.9 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	12/29/2014	Sampling Date:	12/29/2014
Reported:	01/05/2015	Sampling Type:	Soil
Project Name:	SHARP WASTE OIL CLEAN-UP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: AH-4 1' BGS (H403935-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/30/2014	ND	1.83	91.3	2.00	6.81		
Toluene*	<0.050	0.050	12/30/2014	ND	1.83	91.5	2.00	5.49		
Ethylbenzene*	<0.050	0.050	12/30/2014	ND	1.75	87.3	2.00	4.81		
Total Xylenes*	<0.150	0.150	12/30/2014	ND	5.27	87.9	6.00	5.31		
Total BTEX	<0.300	0.300	12/30/2014	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 66.2-142*

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	12/30/2014	ND	197	98.5	200	1.82		
DRO >C10-C28	<10.0	10.0	12/30/2014	ND	231	115	200	0.909		
EXT DRO >C28-C35	<10.0	10.0	12/30/2014	ND						

*Surrogate: 1-Chlorooctane 84.3 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 83.1 % 52.1-176*

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**  
 101 East Marland, Hobbs, NM 88240  
 (505) 393-2326 Fax (505) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page \_\_\_\_ of \_\_\_\_

Company Name: <b>Safety &amp; Environmental Solutions, Inc.</b>		P.O. #:		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: <b>Bob Allen</b>		City: <b>Hobbs</b>		State: <b>NM</b>		Zip: <b>88240</b>	
Address: <b>703 East Clinton</b>		Attn: <b>Same</b>		Address:			
Phone #: <b>575-397-0510</b>		Fax #: <b>575-393-4388</b>		Address:			
Project #: <b>SHAR-14-001</b>		Project Owner: <b>SHARPS OIL REFIN</b>		State:		Zip:	
Project Name: <b>SHARPS OIL REFIN</b>		Project Location: <b>LAZ COUNTRY</b>		Sample Name: <b>5592 SCVM</b>		Lab I.D.:	
Sampler Name: <b>5592 SCVM</b>		Date:		Time:			
Lab I.D.:		Sample I.D.:		Matrix:			
H409925		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			
4		4		SOIL			
1		1		SOIL			
2		2		SOIL			
3		3		SOIL			



March 24, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: WASTE OIL CLEANUP

Enclosed are the results of analyses for samples received by the laboratory on 02/25/15 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-1 BOTTOM (H500538-01)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2015	ND	1.96	98.1	2.00	2.69		
Toluene*	<0.050	0.050	02/28/2015	ND	1.79	89.3	2.00	2.69		
Ethylbenzene*	<0.050	0.050	02/28/2015	ND	2.05	103	2.00	2.86		
Total Xylenes*	<0.150	0.150	02/28/2015	ND	5.52	92.0	6.00	3.40		
Total BTEX	<0.300	0.300	02/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/27/2015	ND	208	104	200	0.0756		
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	191	95.7	200	2.78		

Surrogate: 1-Chlorooctane 79.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 76.0 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-2 BOTTOM (H500538-02)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2015	ND	1.96	98.1	2.00	2.69		
Toluene*	<0.050	0.050	02/28/2015	ND	1.79	89.3	2.00	2.69		
Ethylbenzene*	<0.050	0.050	02/28/2015	ND	2.05	103	2.00	2.86		
Total Xylenes*	<0.150	0.150	02/28/2015	ND	5.52	92.0	6.00	3.40		
Total BTEX	<0.300	0.300	02/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/27/2015	ND	208	104	200	0.0756		
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	191	95.7	200	2.78		

Surrogate: 1-Chlorooctane 81.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 81.2 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-3 BOTTOM (H500538-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2015	ND	1.96	98.1	2.00	2.69	
Toluene*	<0.050	0.050	02/28/2015	ND	1.79	89.3	2.00	2.69	
Ethylbenzene*	<0.050	0.050	02/28/2015	ND	2.05	103	2.00	2.86	
Total Xylenes*	<0.150	0.150	02/28/2015	ND	5.52	92.0	6.00	3.40	
Total BTEX	<0.300	0.300	02/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/27/2015	ND	208	104	200	0.0756	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	191	95.7	200	2.78	

Surrogate: 1-Chlorooctane 79.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.1 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-4 BOTTOM (H500538-04)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2015	ND	1.96	98.1	2.00	2.69		
Toluene*	<0.050	0.050	02/28/2015	ND	1.79	89.3	2.00	2.69		
Ethylbenzene*	<0.050	0.050	02/28/2015	ND	2.05	103	2.00	2.86		
Total Xylenes*	<0.150	0.150	02/28/2015	ND	5.52	92.0	6.00	3.40		
Total BTEX	<0.300	0.300	02/28/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	02/27/2015	ND	211	106	200	0.431		
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	210	105	200	0.00906		

Surrogate: 1-Chlorooctane 102 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-5 WEST WALL (H500538-05)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2015	ND	1.96	98.1	2.00	2.69	
Toluene*	<0.050	0.050	02/28/2015	ND	1.79	89.3	2.00	2.69	
Ethylbenzene*	<0.050	0.050	02/28/2015	ND	2.05	103	2.00	2.86	
Total Xylenes*	<0.150	0.150	02/28/2015	ND	5.52	92.0	6.00	3.40	
Total BTEX	<0.300	0.300	02/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	210	105	200	0.00906	

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-6 WEST WALL (H500538-06)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2015	ND	1.96	98.1	2.00	2.69	
Toluene*	<0.050	0.050	02/28/2015	ND	1.79	89.3	2.00	2.69	
Ethylbenzene*	<0.050	0.050	02/28/2015	ND	2.05	103	2.00	2.86	
Total Xylenes*	<0.150	0.150	02/28/2015	ND	5.52	92.0	6.00	3.40	
Total BTEX	<0.300	0.300	02/28/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	210	105	200	0.00906	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-7 EAST WALL (H500538-07)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2015	ND	1.92	96.0	2.00	5.92	
Toluene*	<0.050	0.050	03/02/2015	ND	1.77	88.7	2.00	4.73	
Ethylbenzene*	<0.050	0.050	03/02/2015	ND	1.98	99.1	2.00	6.84	
Total Xylenes*	<0.150	0.150	03/02/2015	ND	5.33	88.9	6.00	8.22	
Total BTEX	<0.300	0.300	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	210	105	200	0.00906	

Surrogate: 1-Chlorooctane 99.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	02/25/2015	Sampling Date:	02/25/2015
Reported:	03/24/2015	Sampling Type:	Soil
Project Name:	WASTE OIL CLEANUP	Sampling Condition:	Cool & Intact
Project Number:	SHA-14-001	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: SP-8 EAST WALL (H500538-08)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2015	ND	1.92	96.0	2.00	5.92	
Toluene*	<0.050	0.050	03/02/2015	ND	1.77	88.7	2.00	4.73	
Ethylbenzene*	<0.050	0.050	03/02/2015	ND	1.98	99.1	2.00	6.84	
Total Xylenes*	<0.150	0.150	03/02/2015	ND	5.33	88.9	6.00	8.22	
Total BTEX	<0.300	0.300	03/02/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/27/2015	ND	211	106	200	0.431	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	210	105	200	0.00906	

Surrogate: 1-Chlorooctane 113 % 47.2-157

Surrogate: 1-Chlorooctadecane 113 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



---

Celey D. Keene, Lab Director/Quality Manager



**Appendix B**  
**C-141**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: Sharp Oilfield Services	Contact: Tayler Allbritton
Address: 211 West Main	Telephone No. (940) 312-3858
Facility Name	Facility Type:
Surface Owner: Floyd Simms	Mineral Owner: Chevron
API No.	

**LOCATION OF RELEASE**

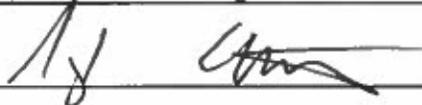
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	4	23S	37E					Lea

Latitude 32.327276745 Longitude 103.172939766

**NATURE OF RELEASE**

Type of Release: Used Oil and lube	Volume of Release: 12 BBLS	Volume Recovered: 0
Source of Release: Truck Rollover	Date and Hour of Occurrence: 12/27/2014 11:00 pm	Date and Hour of Discovery: 12/27/2014
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.*  Truck Rollover causing spillage.		
Describe Area Affected and Cleanup Action Taken.*  Safety & Environmental Solutions, Inc. has assessed and remediated the site according to said and approved remediation plan submitted to the NMOCD Lea County on January 15, 2015, and approved on January 21, 2015. All impacted soils were removed to an NMOCD approved facility and no further action is necessary. Safety & Environmental Solutions respectfully requests closure of the regulatory file for this site.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		

**OIL CONSERVATION DIVISION**

Signature: 	Approved by Environmental Specialist:	
Printed Name: Taylor Allbritton	Approval Date:	Expiration Date:
Title: Regional Manager	Conditions of Approval:	
E-mail Address: <a href="mailto:tallbritton@sharpoilfieldservices.com">tallbritton@sharpoilfieldservices.com</a>	Attached <input type="checkbox"/>	
Date: 12-29-2014	Phone: (940) 312-3858	

\* Attach Additional Sheets If Necessary