

**REVIEWED**

*By Kellie Jones at 10:26 am, Dec 09, 2015*

**APPROVED** Conditional

*By Kellie Jones at 10:26 am, Dec 09, 2015*

1. Ensure samples taken are discrete.
2. Ensure BLM approval.

# Devon Energy Production Co LP

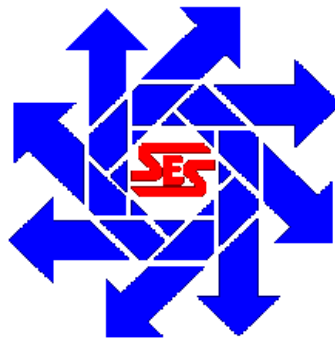
Checkers 24 Federal #005

## Delineation Report and Work Plan

Unit Letter M, Section 24, T22S, R32E  
Lea County, New Mexico

30-025-33702

November 20, 2015



Prepared for:

Devon Energy Production Co., LP  
PO Box 250  
Artesia, New Mexico 88211

By:

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

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## I. Company Contacts

Representative	Company	Telephone	E-mail
Brett Fulks	Devon Energy Prod.	575-748-1844	Brett.Fulks@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

## II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Devon Energy to perform an initial site assessment and delineation of the site. The Checkers 24 Federal #005 is situated in Lea County, Section 24, Township 22S, and Range 32E.

According to the C-141, a leak resulted from a blown gauge on the wellhead (Appendix A). The operator contacted a vacuum truck to recover a significant amount of fluid minimizing run off and surface impact to pasture area. The tubing was closed on the wellhead and the SI unit. The gauge was replaced with a new one and the unit placed back in operation. The initial site assessment by SESI personnel revealed that the area of impact measured approximately 4,922.03 sq. ft.

## III. Surface and Ground Water

There is no record of groundwater in the immediate vicinity of the site location. Further research of the New Mexico Office of the State Engineer website reveals records for Lea County, Section 24, Township 22S, and Range 32E which indicate the average depth to groundwater for the area to be 256' bgs. (Appendix B).

## 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, ethyl benzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 250 mg/kg (PPM) is also required.

Depth to Ground Water:			
(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	X
Wellhead Protection Area:			
(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	X
Distance to Surface Water:			
(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	X
RANKING SCORE (TOTAL POINTS)			0

## V. Work Performed

On October 26, 2015, SESI was onsite to photograph, assess and map the spill area.

On October 29, 2015 SESI personnel visited the site to conduct a vertical and horizontal delineation of the impacted area. It was determined that four (4) sample point positions would be sufficient given the dynamics and outlay of the area. The Bore holes were advanced to depths of 2' bgs., to 3' bgs., respectively. Representative soil samples were properly packaged, preserved and transported to Cardinal Laboratories, Hobbs New Mexico and analyzed for Chloride (Cl<sup>-</sup>) (Method SM 4500Cl-B). The results of the analysis are presented in the table below (Appendix D):

Sample Date 10/29/15	Chloride (mg/kg)	Total BTEX	GRO C6- C10	DRO >C10- C28
Depth				
AH-1 Surface	6400			
AH-1 1'	1090			
AH-1 2'	96	<0.300	<10.0	42.0
AH-2 Surface	1600			
AH-2 1'	1360			
AH-2 2'	1810			
AH-2 2.5'	80	<0.300	<10.0	14.5
AH-3 Surface	6130			
AH-3 1'	704			
AH-3 2'	16.0	<0.300	<10.0	<10.0
AH-4 1'	11300			
AH-4 2'	80.0	<0.300	<10.0	<10.0

## VI. Action Plan

Due to the results listed above and the dynamics of this site; the following action plan is proposed:

Excavate and remove 2' bgs., extracting the impacted soils from the pad area, as well as west area of the location where spill traversed onto pasture area; as indicated (Figure 2), and transporting to an approved NMOCD facility for disposal. Composite samples will be taken from the sidewalls and bottom of the excavated area. The representative soil samples will be taken to a commercial laboratory for final analysis and confirmation. The excavated area will be backfilled with material similar to that removed, returning to grade and esthetically restoring the area. Pasture area is to be backfilled with fresh imported topsoil, and reseeded with LPC #2 seed mixture, restoring the pasture area according to BLM Guidelines'.

**VII. Figures & Appendices**

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Appendix A – C-141

Appendix B – Groundwater

Appendix C – Photo Documentation

Appendix D - Analytical

# **Figure 1**

## **Vicinity Map**





Turn left

Continue straight

Keep right

Turn right

Campbell Rd

Continue straight to stay on Campbell Rd

Continue onto Red Rd

Turn left

Google earth

© 2015 Google

Imagery Date: 2/13/2014    32°27'00.86" N 103°35'04.43" W elev 3709 ft    eye alt 19.22 mi



## **Figure 2**

## **Site Plan**



Devon  
Checkers 24 Fed 05

Bore Hole 2

Spill Area =  
4,922.03 sq. ft.

Bore Hole 3

Bore Hole 1

Well 5  
Gas Well 1

Bore Hole 4

Google earth



# **Appendix A 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

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

Form C-141  
Revised August 8, 2011

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	Devon Energy Production Company	Contact	Randy Gladden; Production Foreman
Address	6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No.	575-513-9463
Facility Name	Checkers 24 Federal 5	Facility Type	Oil Well
Surface Owner	Federal	Mineral Owner	Federal
		API No	30-025-33702

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	24	22S	32E	660	South	330	West	Lea

Latitude: 32.371731 Longitude: -103.635369

### NATURE OF RELEASE

Type of Release	Oil & produced water release	Volume of Release	7.5BBL oil & 7.5BBL produced water	Volume Recovered	2 BBLS oil
Source of Release	Gauge on tubing line at the wellhead	Date and Hour of Occurrence	October 23, 2015 4:00 PM	Date and Hour of Discovery	October 23, 2015 4:00 PM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	BLM: Jim Amos OCD: Kellie Jones		
By Whom?	BLM: Assistant Production Foreman Rebecca Jamison OCD: EHS Professional Brett Fulks	Date and Hour	BLM: October 24, 2015 7:00 PM OCD: November 18, 2015 4:00 PM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	N/A		
If a Watercourse was Impacted, Describe Fully.* N/A					
Describe Cause of Problem and Remedial Action Taken.* The top of the gauge on the tubing line at the well head blew out resulting in a release. Upon discovery the tubing was closed and the well was shut in immediately to prevent further release. The gauge has been replaced.					
Describe Area Affected and Cleanup Action Taken.* 15 BBLS of oil and produced water mix; approximately 7.5 BBLs oil & 7.5 BBLS produced water was released from the gauge on the tubing line at the wellhead. 4,922.03 sq. ft. was affected. The spill originated at the wellhead and flowed in a northeasterly direction off the pad and into the pasture in two separate streams. Approximately 2 BBLS of oil were recovered via vacuum truck. Environmental Agency has been contacted for remediation.					
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.					
Signature: <i>Sandy Farley</i>		OIL CONSERVATION DIVISION			
Printed Name: Sandra Farley					
Title: <b>Field Admin Support</b>		Approved by Environmental Specialist:			
E-mail Address: <b>sandy.farley@dmn.com</b>		Approval Date:		Expiration Date:	
Date: 11/19/2015 Phone: <b>575.746.5587</b>		Conditions of Approval:		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

## **Appendix B**

## **Groundwater**





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">C 02096</a>		ED		2	3	14	22S	32E		627204	3584464*	435	360	75
<a href="#">C 02821</a>	C	LE		2	2	3	14	22S	32E	627303	3584563*	540	340	200
<a href="#">C 02939</a>	C	LE		3	3	1	19	22S	32E	620234	3583042*	280		
<a href="#">C 03717 POD1</a>	C	LE		4	4	1	09	22S	32E	624094	3586365	115	70	45

Average Depth to Water: **256 feet**

Minimum Depth: **70 feet**

Maximum Depth: **360 feet**

**Record Count:** 4

**PLSS Search:**

**Township:** 22S

**Range:** 32E

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

## **Appendix C Photo Documentation**

**Devon Energy**  
**Checkers 24 Federal #005**  
**API 30-025-33702**



Leak source



View from west to leak source



Spill exiting pad to pasture (west)



Source of leak



West of location pasture impact



Pasture Impact

## **Appendix D Analytical**



November 05, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: CHECKERS 24 FED #5

Enclosed are the results of analyses for samples received by the laboratory on 10/30/15 8:00.

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

**Analytical Results For:**

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

Received: 10/30/2015  
Reported: 11/05/2015  
Project Name: CHECKERS 24 FED #5  
Project Number: DEV-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 10/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: AH-1 SURFACE (H502847-01)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	11/03/2015	ND	416	104	400	3.92	

**Sample ID: AH-1 1' (H502847-02)**

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	11/03/2015	ND	416	104	400	3.92	

**Sample ID: AH-1 2' (H502847-03)**

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	11/05/2015	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	11/05/2015	ND	2.29	115	2.00	1.45	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.11	105	2.00	2.28	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.71	112	6.00	2.34	
Total BTEX	<0.300	0.300	11/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/03/2015	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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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: 10/30/2015  
Reported: 11/05/2015  
Project Name: CHECKERS 24 FED #5  
Project Number: DEV-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 10/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: AH-1 2' (H502847-03)**

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	11/03/2015	ND	203	101	200	4.48	
DRO >C10-C28	42.0	10.0	11/03/2015	ND	202	101	200	8.20	

Surrogate: 1-Chlorooctane 121 % 35-147

Surrogate: 1-Chlorooctadecane 135 % 28-171

**Sample ID: AH-2 SURFACE (H502847-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	11/03/2015	ND	416	104	400	3.92		

**Sample ID: AH-2 1' (H502847-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	11/03/2015	ND	416	104	400	3.92		

**Sample ID: AH-2 2' (H502847-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1810	16.0	11/03/2015	ND	416	104	400	3.92		

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Project Number: DEV-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 10/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: AH-2 2.5' (H502847-07)**

BTX 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	11/05/2015	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	11/05/2015	ND	2.29	115	2.00	1.45	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.11	105	2.00	2.28	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.71	112	6.00	2.34	
Total BTX	<0.300	0.300	11/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/03/2015	ND	416	104	400	3.92	

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	11/03/2015	ND	203	101	200	4.48	
DRO >C10-C28	14.5	10.0	11/03/2015	ND	202	101	200	8.20	

Surrogate: 1-Chlorooctane 114 % 35-147

Surrogate: 1-Chlorooctadecane 125 % 28-171

**Sample ID: AH-3 SURFACE (H502847-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	11/03/2015	ND	416	104	400	3.92	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Reported: 11/05/2015  
Project Name: CHECKERS 24 FED #5  
Project Number: DEV-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 10/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: AH-3 1' (H502847-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	11/03/2015	ND	416	104	400	3.92		

**Sample ID: AH-3 2' (H502847-10)**

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	11/05/2015	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	11/05/2015	ND	2.29	115	2.00	1.45	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.11	105	2.00	2.28	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.71	112	6.00	2.34	
Total BTEx	<0.300	0.300	11/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/03/2015	ND	416	104	400	3.92		

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	11/03/2015	ND	203	101	200	4.48	
DRO >C10-C28	<10.0	10.0	11/03/2015	ND	202	101	200	8.20	

Surrogate: 1-Chlorooctane 111 % 35-147

Surrogate: 1-Chlorooctadecane 125 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Project Number: DEV-15-004  
Project Location: EDDY COUNTY, NM

Sampling Date: 10/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: AH-4 1' (H502847-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11300	16.0	11/03/2015	ND	416	104	400	3.92	

**Sample ID: AH-4 2' (H502847-12)**

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	11/05/2015	ND	2.06	103	2.00	1.01	
Toluene*	<0.050	0.050	11/05/2015	ND	2.29	115	2.00	1.45	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.11	105	2.00	2.28	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.71	112	6.00	2.34	
Total BTEx	<0.300	0.300	11/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/03/2015	ND	416	104	400	3.92	

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	11/03/2015	ND	203	101	200	4.48	
DRO >C10-C28	<10.0	10.0	11/03/2015	ND	202	101	200	8.20	

Surrogate: 1-Chlorooctane 110 % 35-147

Surrogate: 1-Chlorooctadecane 121 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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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

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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

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ANALYSIS REQUEST

Bill To

Company Name: Safety & Environmental Solutions, Inc.

Project Manager: Bob Allen

Address: 703 East Clinton

City: Hobbs State: NM Zip: 88240

Phone #: 575-397-0510 Fax #: 575-393-4388

Project #: DEN-15-004 Project Owner: Devon

Project Name: CHECKERS 2470 S

Project Location: EDDY COUNTRY

Sampler Name: Ben Jerry

FOR USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	ANALYSIS REQUEST				
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE			OTHER :	ACID/BASE:	ICE / COOL	OTHER :	
HS02847	AT-1 Surface		1						10/29	1020	TPH (8015)				
1	AT-1 1st		1						1025		BTEX				
2	AT-1 2nd		1						1045		Chlorides				
3	AT-2 Surface		1						1100						
4	AT-2 1st		1						1120						
5	AT-2 2nd		1						1150						
6	AT-2 25th		1						1210						

PLEASE NOTE: Laboratory Containers bearing and efforts to ensure integrity for any chain of custody. Containers must be sealed and labeled in the amount paid by the client for the analysis. All claims, including those for negligence and any other cause, whether or not caused by negligence, shall be deemed waived unless made in writing and received by Cardinal within 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. As such, the client agrees to release Cardinal from all or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated releases or otherwise.

Terms and Conditions: Invoices will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:

Date: 10/30/15

Received By:

Phone Result: ☐ Yes ☐ No

Additional Phone #: ☐ Yes ☐ No

Additional Fax #: ☐ Yes ☐ No

REMARKS:

Relinquished By: Ben Jerry

Received By: Allen Henderson

Date: 10/30/15

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Temp. 36.2

Sample Condition: Cool ☒ Intact ☐ Yes ☐ No

CHECKED BY: [Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#54





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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