

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⁻) (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

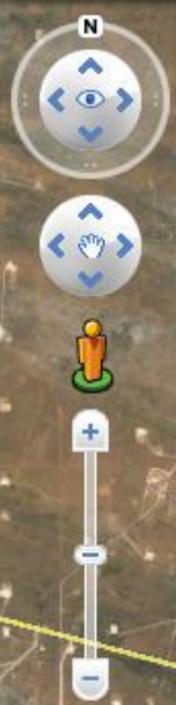
Appendix A – C-141

Appendix B – Groundwater

Appendix C – Photo Documentation

Appendix D - Analytical

Figure 1
Vicinity Map



176

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

Bore Hole 4

Well 5

Gas Well 1

Google earth

1996

Imagery Date: 2/13/2014 32°22'19.07" N 103°38'07.90" W elev 3760 ft eye alt 3965 ft

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
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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	Approved by Environmental Specialist:	
Title: Field Admin Support	Approval Date:	Expiration Date:
E-mail Address: sandy.farley@dvn.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/19/2015 Phone: 575.746.5587		

* 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
C 02096			ED	2	3	14	22S	32E		627204	3584464*	435	360	75
C 02821	C		LE	2	2	3	14	22S	32E	627303	3584563*	540	340	200
C 02939	C		LE	3	3	1	19	22S	32E	620234	3583042*	280		
C 03717 POD1	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.

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	Sampling Date:	10/29/2015
Reported:	11/05/2015	Sampling Type:	Soil
Project Name:	CHECKERS 24 FED #5	Sampling Condition:	Cool & Intact
Project Number:	DEV-15-004	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

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

Chloride, SM4500CI-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, SM4500CI-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, SM4500CI-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

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received:	10/30/2015	Sampling Date:	10/29/2015
Reported:	11/05/2015	Sampling Type:	Soil
Project Name:	CHECKERS 24 FED #5	Sampling Condition:	Cool & Intact
Project Number:	DEV-15-004	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

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, SM4500CI-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, SM4500CI-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, SM4500CI-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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Reported:	11/05/2015	Sampling Type:	Soil
Project Name:	CHECKERS 24 FED #5	Sampling Condition:	Cool & Intact
Project Number:	DEV-15-004	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

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

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	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) 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, SM4500CI-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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Reported:	11/05/2015	Sampling Type:	Soil
Project Name:	CHECKERS 24 FED #5	Sampling Condition:	Cool & Intact
Project Number:	DEV-15-004	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

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

Chloride, SM4500CI-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, SM4500CI-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

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*=Accredited Analyte

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Reported:	11/05/2015	Sampling Type:	Soil
Project Name:	CHECKERS 24 FED #5	Sampling Condition:	Cool & Intact
Project Number:	DEV-15-004	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

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

Chloride, SM4500CI-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, 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	<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



Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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 #: DEV-15-004 Project Owner: Devon
 Project Name: CHECKERS 24 FD 5
 Project Location: EDDY COUNTRY
 Sampler Name: Ben Jerry
 Lab I.D.: H502847
 Sample I.D.:
 (G)RAB OR (C)OMP. # CONTAINERS
 MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:
 PRESERV: ACID/BASE, ICE / COOL, OTHER:
 DATE: 10/29 TIME: 10:20
 ANALYSIS: TP14 (8015), BTEx, Chlorides

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	ANALYSIS
H502847	AHT-1	Surface	1			X							10/29	10:20	TP14 (8015)
	2	AHT-1	1			X							10:25	10:25	BTEx
	3	AHT-1	2			X							10:45	10:45	Chlorides
	4	AHT-2	Surface			X							11:00	11:00	
	5	AHT-2	1			X							11:20	11:20	
	6	AHT-2	2			X							11:50	11:50	
	7	AHT-2	2			X							12:10	12:10	

DELIVERED BY: (Circle One)
 Sampler - UPS - Bus - Other: 3:02
 Temp. 3:02
 Sample Condition: Cool Intact
 Checked By: [Signature]
 Relinquished By: Ben Jerry
 Date: 10/29
 Received By: [Signature]
 Phone Result: Yes No
 Add'l Phone #:
 Add'l Fax #:
 REMARKS:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

ANALYSIS REQUEST

Company Name: Safety & Environmental Solutions, Inc. P.O. #
 Project Manager: Bob Allen Company: Same
 Address: 703 East Clinton
 City: Hobbs State: NM zip: 88240
 Phone #: 575-397-0510 Fax #: 575-393-4388
 Project # Dev-15-cool Project Owner: Devon
 Project Name: CHEVENS rd 700 S
 Project Location: EDDY County
 Sampler Name: Bob Allen
 For Lab Use Only

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H080847	8 AHT-3 Sample		1			X				10/29	1230	TPH (8015) BTEX Chlorides
	9 AHT-3 (RT)		1			X				10/29	1250	
	10 AHT-3 (RT)		1			X				10/29	1330	
	11 AHT-4 (RT)		1			X				10/29	1415	
	12 AHT-4 (RT)		1			X				10/29	1430	

Delivered By: (Circle One) UPS - Bus - Other: 3602 #51
 Temp. Sample Condition: Cool Intact Yes No
 Received By: Special Services
 Date: 10/29
 Time: 1430
 Phone Result: Yes No
 Fax Result: Yes No
 Add'l Phone #:
 Add'l Fax #:
 REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2426.