APPROVED

By OCD; Dr. Oberding at 10:57 am, Jun 04, 2015

OXY USA, Inc. Monsanto State Battery Closure Report

Section 16, T25S, R32E Lea County, New Mexico

May 28, 2015



Prepared for:

OXY USA, Inc. 1017 W Stanolind Road Hobbs, New Mexico 88240

By:

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

TABLE OF CONTENTS

I.	COMPANY CONTACTS	1
II.	BACKGROUND	1
III.	SURFACE AND GROUND WATER	1
IV.	CHARACTERIZATION	1
٧.	WORK PERFORMED	2
VI.	ACTION PLAN	3
Fi Fi	FIGURES & APPENDICES	5 7
A A	ppendix A– Analyticalsppendix B – C-141ppendix C – Site Photographsppendix D – Final C-141'S	26 46

I. Company Contacts

Representative	Company	Telephone	E-mail
Austin Tramell	OXY USA, INC.	575-499-4919	austin_tramell@oxy.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by OXY USA, INC to perform site assessment of a release area at the Monsanto State Battery located in Section 16 of Township 25 South, Range 32 East, Lea County, New Mexico.

On January 01, 2014 and according to the initial C-141 the cause of release was an automation failure causing the tanks to overflow and leak 35 bbls of oil and 35 bbls of produced water onto the ground. A vacuum truck recovered 30 bbls of oil and 30 bbls of produced water. The automation was repaired. However, upon commencement of remediation activities it was determined that an secondary overload on a water transfer pump had occurred on or about March 20, 2014 causing a 65 bbl loss of fluids. A vacuum truck was utilized to recover 60 bbls of said fluid minimizing impact to ground surface. All fluids were retained inside bermed area. SESI was retained to address both incidents.

III. Surface and Ground Water

The nearest groundwater of record is approximately 3 miles Northwest of the site. The New Mexico Office of State Engineer record is in Section 31 Range 32 East and Township 25 South. The reported depth was 295 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 100 ppm Total Petroleum Hydrocarbons (TPH).

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

V. Work Performed

On March 20 2014, Safety & Environmental Solutions, Inc. was onsite to determine vertical extent of contamination. All samples were properly packaged, preserved and transported to the Laboratory, Hobbs New Mexico and analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Total BTEX and Chloride (Cl⁻) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

Sample Date 12/03/2014	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX
Depth	Method					
TT 1 at 12'	BTEX 8021B	<0.200	<0.200	<0.200	2.22	2.22
TT 1 at 13'	BTEX 8021B	<0.200	<0.200	<0.200	2.27	2.27
TT 2 at 9.5'	BTEX 8021B	<0.050	<0.050	< 0.050	0.221	<0.300
TT 2 at 13'	BTEX 8021B	< 0.050	< 0.050	< 0.050	<0.150	< 0.300

Sample Date 12/03/2014	Sample ID	Chloride (Cl)	Sample ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
Depth	Method		Method		
TT 1 at 12'	SM4500CI-B	224	TPH 8015M	337	5810
TT 1 at 13'	SM4500CI-B	224	TPH 8015M	430	9110
TT 2 at 9.5'	SM4500CI-B	1960	TPH 8015M	71.1	1720
TT 2 at 13'	SM4500CI-B	1410	TPH 8015M	<50.0	779

The backhoe only allowed a 13' depth. At this depth we did not find extent of contamination.

On March 6 2015, Safety & Environmental Solutions, Inc. was onsite to determine vertical extent of contamination. All samples were properly packaged, preserved and transported to the Laboratory, Hobbs New Mexico and analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Total BTEX and Chloride (Cl⁻) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

Sample Date 03/09/2015	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX
Depth	Method					
BH 1 at 15'	BTEX 8021B	<0.050	0.116	0.672	4.84	5.63
BH 1 at 17.5'	BTEX 8021B	<0.050	< 0.050	< 0.050	<0.150	<0.300
BH 1 at 18.5'	BTEX 8021B	<0.050	<0.050	< 0.050	<0.150	<0.300
BH 2 at 16'	BTEX 8021B	<0.050	< 0.050	< 0.050	<0.150	<0.300
BH 2 at 18'	BTEX 8021B	<0.050	< 0.050	< 0.050	<0.150	<0.300

Sample Date 03/09/2015	Sample ID	Chloride (Cl)	Sample ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
Depth	Method		Method		
BH 1 at 15'	SM4500CI-B	1470	TPH 8015M	337	5810
BH 1 at 17.5'	SM4500CI-B	1410	TPH 8015M	10.5	768
BH 1 at 18.5'	SM4500CI-B	1680	TPH 8015M	<10.0	838
BH 2 at 16'	SM4500CI-B	960	TPH 8015M	<10.0	<10.0
BH 2 at 18'	SM4500CI-B	816	TPH 8015M	<10.0	<10.0

VI. Action Plan

On March 20, 2015 a written Plan of Remediation was submitted to the NMOCD. The site was then remediated according to the approved plan and in accordance with NMOCD guidelines. Due to the extreme depth to groundwater in this area, the entire spill site was excavated to a depth of 2' bgs.

On April 15, 2015 SESI personnel returned to the site and retrieved confirmation soil samples at 2' bgs. (bottom of excavation). The samples were sent to a commercial laboratory for analyses and the following is a recap of the results (Appendix A):

Sample Date 04/15/2015	Sample ID	Chloride (Cl)	Sample ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
Depth	Method		Method		
SP-1 Bottom	SM4500CI-B	3240	TPH 8015M	193	8780
SP-2 Bottom	SM4500CI-B	48	TPH 8015M	488	9370
SP-3 Bottom	SM4500CI-B	<16.0	TPH 8015M	<100	1500
SP-4-Bottom	SM4500CI-B	336	TPH 8015M	<100	2890
SP-5 Bottom	SM4500CI-B	1780	TPH 8015M	1180	12300
SP-6 Bottom	SM4500CI-B	336	TPH 8015M	1080	4530
SP-7 Bottom	SM4500CI-B	1880	TPH 8015M	159	9260
SP-8 Bottom	SM4500CI-B	1120	TPH 8015M	739	15700
SP-9 Bottom	SM4500CI-B	80	TPH 8015M	<10.0	467
SP-10 East Wall	SM4500CI-B	<16.0	TPH 8015M	<50.0	2360
SP-11 North Wall	SM4500CI-B	48	TPH 8015M	<50.0	116
SP-12 East Wall	SM4500CI-B	112	TPH 8015M	<10.0	1240
SP-13 West Wall	SM4500CI-B	64	TPH 8015M	<100.00	2890
SP-14 South Wall	SM4500CI-B	48.0	TPH 8015M	<10.0	<10.0

All impacted soils were transported to the Sundance Facility, an NMOCD approved facility. The impacted areas were restored to grade. Therefore no further action is deemed necessary, and SESI on behalf of Occidental respectfully requests closure on the two C-141's associated with these spills.

VII. Figures & Appendices

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Figure 3 – Groundwater

Appendix A – Analytical Results

Appendix B – C-141

Appendix C – Photo Documentation

Appendix D – Final C-141's

Figure 1 Vicinity Map

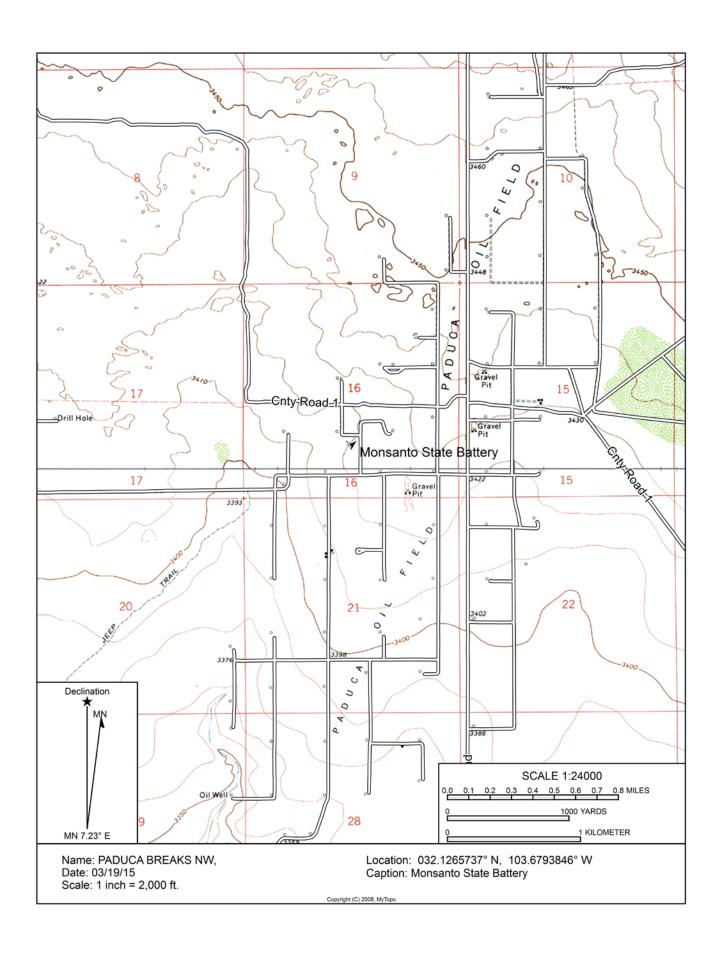
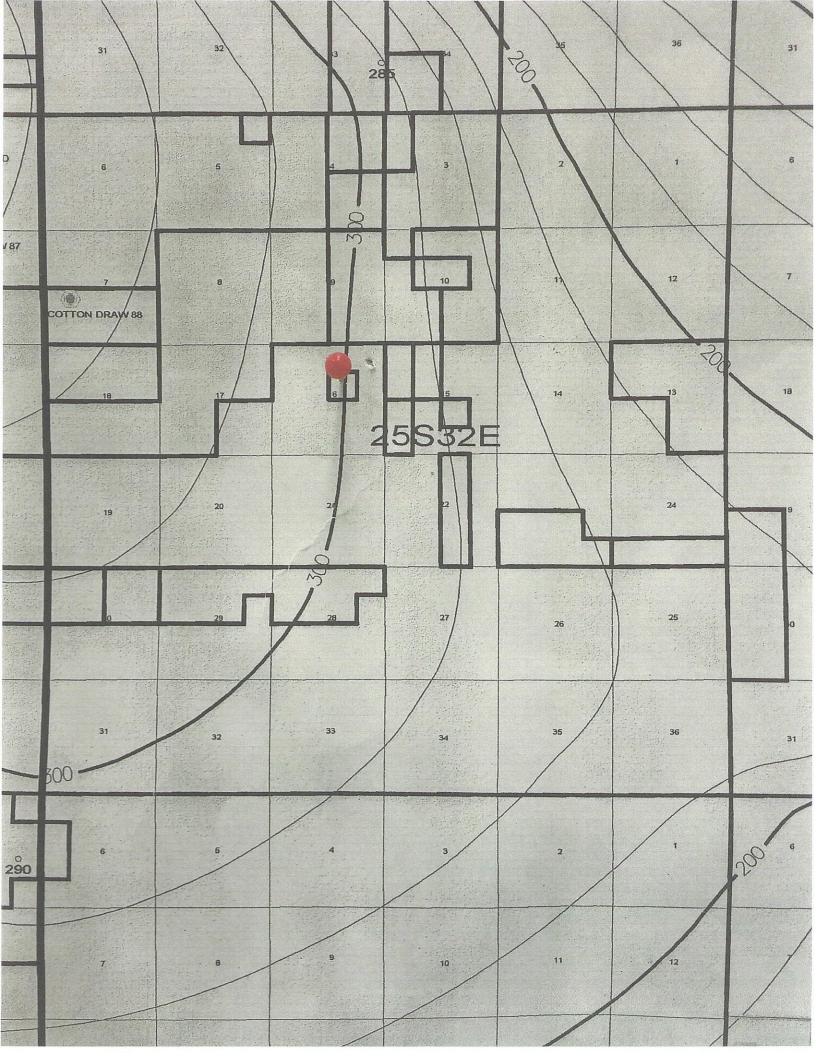


Figure 2 Site Plan



Monsanto State Battery

Figure 3
Groundwater



Appendix A Analytical Results



December 08, 2014

Bob Aller

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: MONSANTO STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/04/14 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.tros.bexas.gov/fleis/loa/lab.accred_certifi.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keene

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

Page 1 of 7



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

 Received:
 12/04/2014
 Sampling Date:
 12/03/2014

 Reported:
 12/08/2014
 Sampling Type:
 Soil

 Project Name:
 MONSANTO STATE BATTERY
 Sampling Condition:
 Cool & Intact

 Project Number:
 0XY-14-005
 Sample Received By:
 Jodi Henson

 Project Location:
 LEA COUNTY, NM

Sample ID: TT-1 12' BGS (H403692-01)

BTEX 8021B	mg/kg		Analyzo	d By: CK					
Acalyta	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Beruene*	< 0.200	0.200	12/08/2014	ND	1.91	95.3	2.00	1.78	
Toluene*	< 0.200	0.200	12/08/2014	ND	1.88	93.8	2.00	1.90	
Ethyberzene*	< 0.200	0.200	12/08/2014	ND	1.76	87.8	2.00	3.30	
Total Xylenes*	2.22	0.600	12/08/2014	ND	5.35	89.2	6.00	3.55	
Total BTEX	2.22	1.20	12/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID)	108	% 61-154	,						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Acalyta	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/04/2014	ND	400	100	400	3.92	
TPH BOLSM	mg	/kg	Analyze	Analyzed By: CK					S-06
Acalyta	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	415	100	12/04/2014	ND	199	99.5	200	0.653	
DRO >C10-C28	7590	100	12/04/2014	ND	204	102	200	0.660	

Surrogate: 1-Chlorooctane 184 % 47.2-157 Surrogate: 1-Chlorooctadecane 290 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

AME STILL LIGHT and Congress. Carbotic highly and death makeds report in any plant wider, better in the month of the best in the second and by death the carbotic plant for registers and the carbotic plant for registers and the carbotic plant and the carbotic plant for registers and the carbotic plant for r

College & Fiere

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 7



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

 Received:
 12/04/2014

 Reported:
 12/08/2014

 Project Name:
 MONSANTO STATE BATTERY

 Project Number:
 0XY-14-005

LEA COUNTY, NM

 Sampling Date:
 12/03/2014

 Sampling Type:
 Soil

 Sampling Condition:
 Cool & Intact

 Sample Received By:
 Jodi Henson

Sample ID: TT-1 13' BGS (H403692-02)

Project Location:

Analyzed By: CK Result Reporting Limit Analyzed Method Slank BS % Recovery True Value QC RFD < 0.200 0.200 12/08/2014 1.91 95.3 2.00 Toluene* < 0.200 0.200 12/08/2014 1.88 93.8 2.00 1.90 ND < 0.200 0.200 12/08/2014 87.8 2.00 ND 2.27 0.600 12/08/2014 5.35 89.2 6.00 3.55 Total Xylenes* Total BTEX 2.27 1.20 12/08/2014 ND

Surrogate: 4-Bromofluorobenzene (PID) 107 % 61-154 Chloride, SM4500CI-B Analyzed By: AP Result Reporting Limit Analyzed Method Blank 85 % Recovery True Value OC 220 224 16.0 12/04/2014 ND 400 100 400 Chloride 3.92 TPH 8015M Analyzed By: CK GRO C6-C10 430 100 12/04/2014 ND 199 99.5 200 0.653 ND 204 102 DRO >C10-C28 100 12/04/2014 200 0.660 9110

Surrogate: 1-Chlorooctane 179 % 47.2-157 Surrogate: 1-Chlorooctadecane 303 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

ADES COSTS. Little and Compan. Controls below or states and the response of the control or the control and to global the control of the contr

College There

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 7



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

 Received:
 12/04/2014
 Sampling Date:
 12/03/2014

 Reported:
 12/08/2014
 Sampling Type:
 Soil

 Project Name:
 MONSANTO STATE BATTERY
 Sampling Condition:
 Cool & Intact

 Project Number:
 OKY-14-005
 Sample Received By:
 Jodi Henson

 Project Location:
 LEA COUNTY, NM

Sample ID: TT-2 9.5' BGS (H403692-03)

BTEX 8021B	mg/kg		Analyzed By: CK						
Acalyte	Result	Reporting Limit	Analyzed	Method Slank	85	% Recovery	True Value QC	RPO	Qualifier
Benzene*	< 0.050	0.050	12/08/2014	ND	1.91	95.3	2.00	1.78	
Toluene*	< 0.050	0.050	12/08/2014	ND	1.88	93.8	2.00	1.90	
Ethyberzene*	< 0.050	0.050	12/08/2014	ND	1.76	87.8	2.00	3.30	
Total Xylenes*	0.221	0.150	12/08/2014	ND	5.35	89.2	6.00	3.55	
Total BTEX	<0.300	0.300	12/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID)	104 9	61-154							
Chloride, SM4500CI-8	mg/	kg	Analyzo	d By: AP					
Acalida	Result	Reporting Limit	Analyzed	Method Blank	86	% Recovery	True Value OC	RPO	Qualifier

mg/kg		Analyzed By: AP						
Result	Reporting Limit	Analyzed	Method Slank	85	% Recovery	True Value QC	RPO	Qualifier
1960	16.0	12/04/2014	ND	400	100	400	3.92	
mg/kg		Analyzed By: CK						
Result	Reporting Limit	Analyzed	Method Slank	85	% Recovery	True Value QC	RPO	Qualifier
71.1	50.0	12/04/2014	ND	199	99.5	200	0.653	
1720	50.0	12/04/2014	ND	204	102	200	0.660	
	Result 1960 mg/ Result 71.1	Result Reporting Limit 1960 16.0 mg/kg Result Reporting Limit 71.1 50.0	Result Reporting Limit Analyzed 1960 16.0 12/04/2014 mg/kg Analyzed Result Reporting Limit Analyzed 71.1 50.0 12/04/2014	Result Reporting Limit Analyzed Method Blank 1960 16.0 12/04/2014 ND mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank 71.1 SO.0 12/04/2014 ND	Result Reporting Limit Analysed Method Slank DS	Result Reporting Limit Analyzed Method Blank BS % Recovery 1960 16.0 12/04/2014 ND 400 100 mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank BS % Recovery 71.1 S0.0 12/04/2014 ND 199 99.5	Result Reporting Limit Analysed Method Blank BG % Recovery True Value QC 1960 16.0 12/04/2014 ND 400 100 400 mg/kg Analysed By: CK Result Reporting Limit Analysed Method Blank BG % Recovery True Value QC 71.1 S0.0 12/04/2014 ND 199 99.5 200	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1960 16.0 12/04/2014 ND 400 100 400 3.92 mg/kg Analyzed By: CK Result Reporting Limit Analyzed Method Blank 85 % Recovery True Value QC RPD 71.1 S0.0 12/04/2014 ND 199 99.5 200 0.683

Surrogate: 1-Chlorooctane 128 % 47.2-157 Surrogate: 1-Chlorooctadecane 174 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

ASIGN SIGN. In the part of the

College T. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 7



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:
 12/04/2014
 Sampling Date:
 12/03/2014

 Reported:
 12/08/2014
 Sampling Type:
 Soil

 Project Name:
 MONSANTO STATE BATTERY
 Sampling Condition:
 Cool & Intact

 Project Number:
 OXY-14-005
 Sample Received By:
 Jod! Henson

Project Location: LEA COUNTY, NM

Sample ID: TT-2 13' BGS (H403692-04)

BTEX 8021B	mg/kg		Analyzed By: CK						
Acalyta	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Berzene*	<0.050	0.050	12/08/2014	ND	1.91	95.3	2.00	1.78	
Toluene*	< 0.050	0.050	12/08/2014	ND	1.88	93.8	2.00	1.90	
Ethylbarzane*	< 0.050	0.050	12/08/2014	ND	1.76	87.8	2.00	3.30	
Total Xylenes*	< 0.150	0.150	12/08/2014	ND	5.35	89.2	6.00	3.55	
Total BTEX	< 0.300	0.300	12/08/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID)	104	61-154							
Chloride, SM4500CI-B	mg	kg	Analyzo	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Slank	85	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	12/04/2014	ND	400	100	400	3.92	
TPH 8015M	mg.	lkg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	12/04/2014	ND	199	99.5	200	0.653	
DRO >C10-C28	779	50.0	12/04/2014	ND	204	102	200	0.660	

Surrogate: 1-Chlorooctane 124 % 47.2-157 Surrogate: 1-Chlorooctadecane 156 % 52.1-176

Cardinal Laboratories *-Accredited Analyte

ADM NOTO better and Company. Controls belong and describe meants for any other strange, whether beard in motion or not, shall be belond to the amount part by other for anything. All determining the company of the control part by other for anything the control part of the control part by other parts and other control parts and the latest the control parts and the control p

College Therene

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7



Notes and Definitions

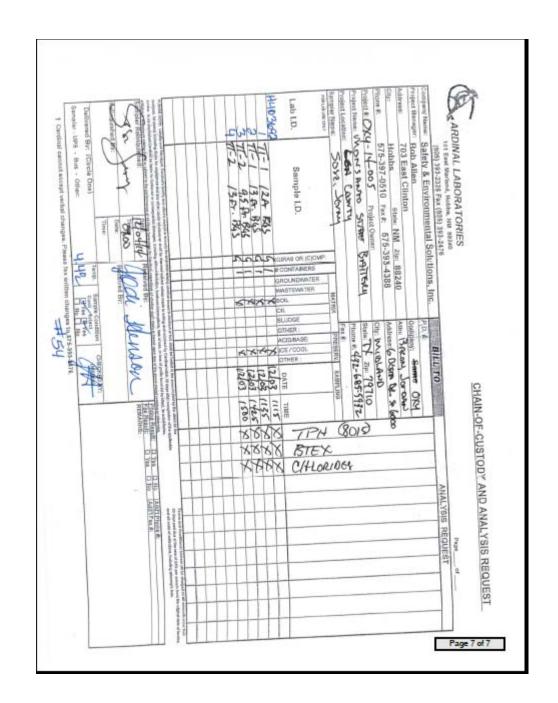
- The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference/s. 5-06
- Analyte NOT DETECTED at or above the reporting limit ND
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- Chloride by SN4500C-6 does not require samples be received at or below 6°C
 - Samples reported on an as received basis (wet) unless otherwise noted on report

ADM 1975, both, and foreign. Control both, and destruction county for any older of they, better best in extent or tot, but to belief to the county and by deep for control better of the county of the

College 2 tiens

Celey D. Keene, Lab Director/Quality Manager

Page θ of 7





March 12, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: MONSANTO STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/09/15 16:50.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes are denoted by an accredited analytes are denoted by a denoted

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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

Page 1 of 8



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

03/09/2015 Received: Reported: 03/12/2015 Project Name: MONSANTO STATE BATTERY OXY-14-005 Project Number:

LEA COUNTY, NM

Sampling Date: 03/06/2015 Sampling Type: Soil Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH-1 15' (H500647-01)

Project Location:

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/11/2015	ND	2.10	105	2.00	1.08	
Toluene*	0.116	0.050	03/11/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	0.672	0.050	03/11/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	4.84	0.150	03/11/2015	ND	6.10	102	6.00	0.213	
Total BTEX	5.63	0.300	03/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID	129	% 61-154							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	337	50.0	03/11/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	5810	50.0	03/11/2015	ND	203	102	200	0.942	

118 % 47.2-157 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane 157% 52.1-176

Cardinal Laboratories *=Accredited Analyte

PLOME NOTE: Liability and Danages. Cardina's lability and clients exclusive nemary for any claim arters, whether based in contract or ton; shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other clause whateverse that he desend variety using an exclusive state completion of the applicable service. In no event shall Cardinal be labile for incidental or consequental damages, broken; in no event shall Cardinal be labile for incidental or consequental damages, about incident product instance; inheritance inheritance in the performance of the services between the cardinal production, business inheritance or otherwise. Results related only not be amplied information. This report claim cate improved except in full written approal of cardinal biotestries.

Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 8





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

03/09/2015 Received:

03/06/2015 Sampling Date: Reported: 03/12/2015 Sampling Type: Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact Project Number: OXY-14-005 Sample Received By: Jodi Henson Project Location: LEA COUNTY, NM

Sample ID: BH-1 17.5' (H500647-02)

	(,								
BTEX 8021B	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2015	ND	2.10	105	2.00	1.08	
Toluene*	<0.050	0.050	03/11/2015	ND	1.92	96.1	2.00	1.13	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.23	112	2.00	0.897	
Total Xylenes*	< 0.150	0.150	03/11/2015	ND	6.10	102	6.00	0.213	
Total BTEX	< 0.300	0.300	03/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID	119	% 61-154							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.5	10.0	03/11/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	768	10.0	03/11/2015	ND	203	102	200	0.942	

Surrogate: 1-Chlorooctane 89.4 % 47.2-157 Surrogate: 1-Chlorooctadecane 97.6% 52.1-176

Cardinal Laboratories *=Accredited Analyte

PLOSE NOTE: Liability and Carages. Cardina's liability and clients exclusive remarky for any claim antaing, whether based in contract or but, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatever entall be deemed variety under unable in writing and recovered by Cardinal which theiry (20) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, building, willhold, including, willhold, house, inhumptions, loss of use, or loss of youth incorrect by client, in substance, affiliates or successors aring out of or related to the performance of the services between the claim is based upon any of the above tested resource ordinaries. Reside values only the samples identified south. The report claim not be reproduced usually in their written approved of cardinal belonstream.

Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 8



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:
 03/09/2015

 Reported:
 03/12/2015

 Project Name:
 MONSANTO STATE BATTERY

Project Number: OXY-14-005

Sampling Date: Sampling Type: Sampling Condition:

Sample Received By:

03/06/2015 Soil Cool & Intact Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: BH-1 18.5' (H500647-03)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2015	ND	2.09	105	2.00	0.506	
Toluene*	<0.050	0.050	03/11/2015	ND	1.95	97.5	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.31	115	2.00	1.36	
Total Xylenes*	<0.150	0.150	03/11/2015	ND	6.27	104	6.00	1.52	
Total BTEX	<0.300	0.300	03/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID)	119	% 61-154							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte GRO C6-C10	Result	Reporting Limit	Analyzed 03/11/2015	Method Blank ND	BS 193	% Recovery 96.5	True Value QC	RPD 1.64	Qualifier

 Surrogate: 1-Chiorooctane
 92.0 %
 47.2-157

 Surrogate: 1-Chiorooctadecane
 103 %
 52.1-176

Cardinal Laboratories

RIGIST BOTTLE Liability and Distrague. Cardwall biblity and clients exclude remark or may drien assist, whether based in content or text, shall be limited to the amount good by client for analyses. All clients, including those for negligious and any other cases whetherever data lies desert and section and in the support of contents or the support of contents and in the support of contents all the support of contents all the support of contents and in the support of contents all the support of contents all the support of contents all the support of contents and in the support of contents all the support of contents are support of contents and the support of contents are support of contents and the support of contents and the support of contents are support all the support all the support of contents are support all the support all the

Celley D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 8

*=Accredited Analyte



LEA COUNTY, NM

Analytical Results For:

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

03/09/2015 Sampling Date: 03/06/2015 Received: Reported: 03/12/2015 Sampling Type: Soil MONSANTO STATE BATTERY Cool & Intact Project Name: Sampling Condition: Project Number: OXY-14-005 Sample Received By: Jodi Henson

Sample ID: BH-2 16' (H500647-04)

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	03/11/2015	ND	2.09	105	2.00	0.506	
Toluene*	<0.050	0.050	03/11/2015	ND	1.95	97.5	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.31	115	2.00	1.36	
Total Xylenes*	<0.150	0.150	03/11/2015	ND	6.27	104	6.00	1.52	
Total BTEX	<0.300	0.300	03/11/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	61-154	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	960	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2015	ND	193	96.5	200	1.64	
DRO >C10-C28	<10.0	10.0	03/11/2015	ND	203	102	200	0.942	
Surrogate: 1-Chlorooctane	86.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	95.6	% 52.1-17							

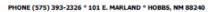
Cardinal Laboratories *=Accredited Analyte

PLOSE NOTE: Liability and Danages. Cardina's liability and clients exclusive remark for any client acting, whether based in contract or bot, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whateverse shall be deemed variety under contract in the whole place of the applicable service. In no event shall Cardinal be labele for incidence of consequental demanages, including, without instruction, business interruptions, loss of use, or loss of use, or loss of profits incorned by client, to substitative, sufficient or consequents of or or related to the performance of the services between the client in based copies any of the above client resource or otherwise. Askeds value only to deep the surples identified sole. This report client cabe reproduced cough to full written approach of cardinal luboratives.

Celley D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 8





LEA COUNTY, NM

Analytical Results For:

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

Fax To: (575) 393-4388

03/06/2015 03/09/2015 Received: Sampling Date: Reported: 03/12/2015 Sampling Type: Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2015	ND	2.09	105	2.00	0.506	
Toluene*	<0.050	0.050	03/11/2015	ND	1.95	97.5	2.00	0.0885	
Ethylbenzene*	<0.050	0.050	03/11/2015	ND	2.31	115	2.00	1.36	
Total Xylenes*	<0.150	0.150	03/11/2015	ND	6.27	104	6.00	1.52	
Total BTEX	< 0.300	0.300	03/11/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID	114 5	% 61-154							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	03/10/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte GRO C6-C10	Result <10.0	Reporting Limit	Analyzed 03/11/2015	Method Blank	BS 193	% Recovery 96.5	True Value QC 200	RPD 1,64	Qualifier

Surrogate: 1-Chlorooctane 47.2-157 80.8 % Surrogate: 1-Chlorooctadecane 86.5 % 52.1-176

Cardinal Laboratories *=Accredited Analyte

PLOME NOTE: Liability and Danages. Cardina's lability and clients exclusive nemary for any claim arters, whether based in contract or ton; shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other clause whateverse that he desend variety using an exclusive state completion of the applicable service. In no event shall Cardinal be labile for incidental or consequental damages, broken; in no event shall Cardinal be labile for incidental or consequental damages, about incident product instance; inheritance inheritance in the performance of the services between the cardinal production, business inheritance or otherwise. Results related only not be amplied information. This report claim cate improved except in full written approal of cardinal biotestries.

Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 8



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

FADASE NOTE: Liability and Darrague. Cardinal's biblity and clear's exclusive remarks for any clear satisfact, whether based in contract but, shall be leaded to the amount paid by clear for snakyees. All clear, including those for reaglepers cause, any other cause whateveer dail to deemed waived uniform contracts cause and received by Cardinal, profit of the application of the application on the application and the account of the application of t

Celeaz D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 7 of 8

TENSE TOTE Ludge and Designal Constant's billing and design for the plant of the pl	100 M	ВПТТО
Train and due the fee to complete the feet of the probability of the p	ROBERTA TPH BO13=	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST ANALYSIS REQUEST ANALYSIS REQUEST



April 22, 2015

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: MONSANTO STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/17/15 9:00.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/15/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-1 BOTTOM (H501006-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/17/2015	ND	2.14	107	2.00	3.26	
Toluene*	0.129	0.100	04/17/2015	ND	1.90	95.2	2.00	1.98	
Ethylbenzene*	<0.100	0.100	04/17/2015	ND	1.78	88.8	2.00	0.225	
Total Xylenes*	0.957	0.300	04/17/2015	ND	5.71	95.2	6.00	0.0307	
Total BTEX	1.09	0.600	04/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	130 9	% 61-154	!						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	193	100	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	8780	100	04/17/2015	ND	215	108	200	0.356	
Surrogate: 1-Chlorooctane	128 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	290 9	% 52.1-17	6						

Surrogate: 1-Chlorooctadecane 290 % 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 whistoever 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.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/15/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: OXY-14-005 Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-2 BOTTOM (H501006-02)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/17/2015	ND	2.14	107	2.00	3.26	
Toluene*	<0.200	0.200	04/17/2015	ND	1.90	95.2	2.00	1.98	
Ethylbenzene*	0.506	0.200	04/17/2015	ND	1.78	88.8	2.00	0.225	
Total Xylenes*	3.49	0.600	04/17/2015	ND	5.71	95.2	6.00	0.0307	
Total BTEX	4.00	1.20	04/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 61-154	!						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	488	100	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	9370	100	04/17/2015	ND	215	108	200	0.356	
Surrogate: 1-Chlorooctane	155	% 47.2-15	7						

238 % 52.1-176 Surrogate: 1-Chlorooctadecane

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 competent 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.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/15/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-3 BOTTOM (H501006-03)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/17/2015	ND	2.14	107	2.00	3.26	
Toluene*	< 0.100	0.100	04/17/2015	ND	1.90	95.2	2.00	1.98	
Ethylbenzene*	< 0.100	0.100	04/17/2015	ND	1.78	88.8	2.00	0.225	
Total Xylenes*	<0.300	0.300	04/17/2015	ND	5.71	95.2	6.00	0.0307	
Total BTEX	<0.600	0.600	04/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	6 61-154							
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	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/17/2015	ND	207	104	200	1.17	
010 00 010						108	200		

Surrogate: 1-Chlorooctadecane 212 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/15/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-4 BOTTOM (H501006-04)

mg/kg		Analyzed By: ms						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.100	0.100	04/17/2015	ND	2.14	107	2.00	3.26	
<0.100	0.100	04/17/2015	ND	1.90	95.2	2.00	1.98	
<0.100	0.100	04/17/2015	ND	1.78	88.8	2.00	0.225	
<0.300	0.300	04/17/2015	ND	5.71	95.2	6.00	0.0307	
<0.600	0.600	04/17/2015	ND					
113 %	61-154	!						
mg/	kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
336	16.0	04/20/2015	ND	432	108	400	7.69	
mg/	kg	Analyze	d By: MS					S-06
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<100	100	04/17/2015	ND	207	104	200	1.17	
<100								
	Result <0.100 <0.100 <0.100 <0.300 <0.600 113 % mg/ Result 336 mg/ Result	Result Reporting Limit <0.100	Result Reporting Limit Analyzed <0.100	Result Reporting Limit Analyzed Method Blank <0.100	Result Reporting Limit Analyzed Method Blank BS <0.100	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.100	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.100	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.100

Surrogate: 1-Chlorooctane 118 % 47.2-157
Surrogate: 1-Chlorooctadecane 181 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/15/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-5 BOTTOM (H501006-05)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/17/2015	ND	2.14	107	2.00	3.26	
Toluene*	1.05	0.100	04/17/2015	ND	1.90	95.2	2.00	1.98	
Ethylbenzene*	3.52	0.100	04/17/2015	ND	1.78	88.8	2.00	0.225	
Total Xylenes*	21.2	0.300	04/17/2015	ND	5.71	95.2	6.00	0.0307	
Total BTEX	25.8	0.600	04/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 61-154	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1180	100	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	12300	100	04/17/2015	ND	215	108	200	0.356	

Surrogate: 1-Chlorooctane 195 % 47.2-157
Surrogate: 1-Chlorooctadecane 283 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/15/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-6 BOTTOM (H501006-06)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/17/2015	ND	2.14	107	2.00	3.26	
Toluene*	<0.100	0.100	04/17/2015	ND	1.90	95.2	2.00	1.98	
Ethylbenzene*	0.156	0.100	04/17/2015	ND	1.78	88.8	2.00	0.225	
Total Xylenes*	0.710	0.300	04/17/2015	ND	5.71	95.2	6.00	0.0307	
Total BTEX	0.866	0.600	04/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 61-154	!						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1080	100	04/17/2015	ND	207	104	200	1.17	

Surrogate: 1-Chlorooctane 129 % 47.2-157
Surrogate: 1-Chlorooctadecane 210 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-7 BOTTOM (H501006-07)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/17/2015	ND	2.14	107	2.00	3.26	
Toluene*	<0.100	0.100	04/17/2015	ND	1.90	95.2	2.00	1.98	
Ethylbenzene*	<0.100	0.100	04/17/2015	ND	1.78	88.8	2.00	0.225	
Total Xylenes*	0.651	0.300	04/17/2015	ND	5.71	95.2	6.00	0.0307	
Total BTEX	0.651	0.600	04/17/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 61-154	!						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	159	100	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	9260	100	04/17/2015	ND	215	108	200	0.356	
Surrogate: 1-Chlorooctane	135	% 47.2-15	7						

Surrogate: 1-Chlorooctane 135 % 47.2-157
Surrogate: 1-Chlorooctadecane 328 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-8 BOTTOM (H501006-08)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2015	ND	2.01	101	2.00	0.0320	
Toluene*	0.122	0.050	04/21/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	0.244	0.050	04/21/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	5.32	0.150	04/21/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	5.69	0.300	04/21/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	149	% 61-154	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	739	100	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	15700	100	04/17/2015	ND	215	108	200	0.356	

Surrogate: 1-Chlorooctane 185 % 47.2-157
Surrogate: 1-Chlorooctadecane 325 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-9 EAST WALL (H501006-09)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	<0.050	0.050	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	<0.050	0.050	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	<0.150	0.150	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	<0.300	0.300	04/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	61-154	!						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	467	10.0	04/17/2015	ND	215	108	200	0.356	
Surrogate: 1-Chlorooctane	112 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	135 %	6 52.1-17	6						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-10 EAST WALL (H501006-10)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	<0.050	0.050	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	<0.050	0.050	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	<0.150	0.150	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	<0.300	0.300	04/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 61-154	!						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/17/2015	ND	207	104	200	1.17	

Surrogate: 1-Chlorooctane 112 % 47.2-157

Surrogate: 1-Chlorooctadecane

177%

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-11 NORTH WALL (H501006-11)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	< 0.050	0.050	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	< 0.050	0.050	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	<0.150	0.150	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	<0.300	0.300	04/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	116	50.0	04/17/2015	ND	215	108	200	0.356	
Surrogate: 1-Chlorooctane	96.7 9	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 118 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-12 WEST WALL (H501006-12)

BTEX 8021B	mg/	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	<0.050	0.050	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	<0.050	0.050	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	<0.150	0.150	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	<0.300	0.300	04/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 61-154	1						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	1240	10.0	04/17/2015	ND	215	108	200	0.356	
Surrogate: 1-Chlorooctane	106 5	% 47.2-15	7						
Surrogate: 1-Chloroctadecane	133	% 52 1-17	6						

Surrogate: 1-Chlorooctadecane 133 % 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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: OXY-14-005 Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-13 WEST WALL (H501006-13)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	<0.050	0.050	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	<0.050	0.050	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	<0.150	0.150	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	<0.300	0.300	04/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/17/2015	ND	207	104	200	1.17	

298 % 52.1-176

Surrogate: 1-Chlorooctadecane

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 competent 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.



Safety & Environmental Solutions

Bob Allen

703 East Clinton Hobbs NM, 88240

Fax To: (575) 393-4388

Received: 04/17/2015 Sampling Date: 04/16/2015

Reported: 04/22/2015 Sampling Type: Soil

Project Name: MONSANTO STATE BATTERY Sampling Condition: Cool & Intact
Project Number: OXY-14-005 Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

Sample ID: SP-14 SOUTH WALL (H501006-14)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/20/2015	ND	2.01	101	2.00	0.0320	
Toluene*	<0.050	0.050	04/20/2015	ND	1.81	90.7	2.00	1.79	
Ethylbenzene*	<0.050	0.050	04/20/2015	ND	1.69	84.7	2.00	0.715	
Total Xylenes*	<0.150	0.150	04/20/2015	ND	5.51	91.8	6.00	0.577	
Total BTEX	<0.300	0.300	04/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	61-154	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/20/2015	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/17/2015	ND	207	104	200	1.17	
DRO >C10-C28	<10.0	10.0	04/17/2015	ND	215	108	200	0.356	
Surrogate: 1-Chlorooctane	114 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	122 9	6 52.1-17	6						

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page_

ARDIN 101

ARDINAL LABORATORIES

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

Q,	Sall lines	alfiliates of successors anising out of or related to the performance of scivices hereunder by Carolina Samuel Relation Date:	PLEASE HOTTE: Likelity end Dejinigset. Cestistaris sistify and creams accusave runners, and a desmed waited unless made in writing and received by Cardinal within 30 days after competition of the sandyses. All claims including those for negligence and any other create shipligencer shall be dearned waited unless made in writing and received by Cern, its subdictables service. In my event shall be dearly included in the sand of the sand service and any other create shall be dearly or the create shall be dearly or incident and consequential drimages, including without firmitation, business informations, took of the create shall be dearly or incident and consequential drimages, including without firmitation, business information, took of the create shall be dearly or incident and the consequential drimages, including without firmitation, business informations, took of the create shall be dearly or incident and the consequential drimages, including without minimal to the create shall be dearly or incident and the consequential drimages, including without minimal to the create shall be dearly or incident and the create shall be dear	1) SP 10 GASTUNI	4	S SP- X BOTTOM G	-	6 58-6 BUTTOM G	7	4 Jan Boston 4	3 SP-3 Bottom S	2 58-2 BOILDM 9	1 SP 1 Bottom 4	® MICCH	Lab I.D. Sample I.D.		V	Project Location: Low Court	Project Name: MONSAUTO STATE	Project #: OXY-14-005 Project Owner:	Phone #: 575-397-0510 Fax #: 575-393-4388	City: Hobbs State; NM Zip:	Address: 703 East Clinton	Project Manager: Boh Allen	Company Name: Safety & Environmental Solutions, Inc.
Received By:	- 1	Received By: Received By:	PLEASE DOTE. Libbility and Dejinglast. Celulinaris laterity and central successes received by Cardinal within 30 days elife completion of the applicable analyses. All claims including those for negligence and any other cause synthese results and any other cause synthese results are consequent and the central success and the consequent	SP 10 CASTUM		-	3780 X	X 0412	1 X X 140 X	1 X X X X X X X X X X X X X X X X X X X	1 catho	18	X 04/18/13/80 XX		ECONTAINERS EROUNDWATER WASTEWATER SOIL DIL SLUDGE DITHER: CCE /'COOL DITHER: DATE TIME TIME TIME TIME TIME TIME TIME TI	MATRIX PRESERV. SAMPLING		Phone #: 575-499-4917	9	OKY city:	Address	88240 Attin: HUSEN THANKSHIL	Gompany: Same OX X	P.O. #:	
ensonal 0755906214	2	s 🗍 No Add'l Phone #:	and all costs of collections, including attorney's fees.	Tennis and Conditions: interest all be charged on all accounts more than	X						The state of the s				CHLO) /c	21	0		5					100 mm

† Cardinal cannot accept verbal changes. Please fax written changes to 575-3930476.

Sample Condition
Cool Intact
Diffes Wes

Project 1128239

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page_

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 Fax (505) 393-2476

Terms and Conditions? Interest will be charged on all accounts more then
X
\ \ \
(
X
TP1+ Chlor
X (
8
01 i
5
)

24.0

Cool Intact
Wes Gres

Element 1128239

TASK 0101030106

CNTRAL OP 55906214

JUSTIN - TRAMELLE OXY-COM

Delivered By: Circle Oney
Sampler - UPS - Bus - Other:

Relinquished By:

0000

Received By

Received By:

Fax Result: REMARKS:

er Relinquis

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

Appendix B C-141

District I 1625 N. French Dr., Hubbs, NM 88340 District II 811 S. First St., Arnesia, NM 88210 District III 1000 Rio Brazos Reed, Azsec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division

Submit 1 Copy to appropriate District Office in

	cis Dr., Sant	Fe. NM 8750:	5			St. France, NM 875			
							orrective A	ction	
				ande I (design	curror	OPERA:			tial Report Final Repo
Name of C	ompany	Oxy Permia	n Ltd.				Austin Tramell	20 111	ann respect r man respe
		tanolind Rd,		NM 88240		Telephone !	No. (575) 499	4919	
Facility Na	me Mon	santo State I	Battery			Facility Typ	e Gathering		
Surface Ow	mer Stat	e		Mineral (Owner			API	lo. n/a
				LOCA	ATIO!	N OF REI	LEASE		
Unit Letter	Section	Township	Range	Foot from the	North/	South Line	Feet from the	East/West Line	County
N	16	258	32E						Lea
				Latitude N.32.	12676°	Longitu	de W 103.6799	4*	
						OF REL		_	
Type of Rele	ase Oil a	nd Produced s	water	INA.	LUKE		Release 35bbb	nil Volum	Recovered 30 bbls oil.
						35 bbls pro	duced water	30 bbls	produced water
Source of Re tank overflor	lease Over	fload tripped o	on water to	ansfer pump caus	sing	Date and E 01/05/2014	lour of Occurrence	e Date ar	d Hour of Discovery
Was Immedi		liven?				If YES, To			
		×	Yes	No 🗌 Not R	equired		rring-NMOCD		
By Whom?						Date and F			
Was a Water	course Read		Yes 🗵	l No		If YES, Vo	olume Impacting t	he Watercourse.	
I.C Wilsterness		pacted, Descri							
Automation	ailur caused	om and Reme							
oil and 30 bb	is of the pro	the tanks to duced water.	The auton	ind leak 35 bbls o ration was repair	of oil and ed	35 bbls of p	roduced water on	o the ground. A	vacuum truck recovered 30 bbls
oil and 30 bb	is of the pro	if the tanks to iduoed water. and Clearup /	The auton	ration was repain	of oil and	35 bbls of p	roduced water on	o the ground. A	vacuum truck recovered 30 bbls
oil and 30 bb Describe Are	is of the pro	iduced water. and Cleanup /	The autor Action Tal	nation was repain	ed	_			vacuum truck recovered 30 bbls d remediation plan from
Describe Are The affected NMOCD. Thereby cert regulations a public health should their oor the enviro	a Affected a area is appro- fy that the li il operators or the envir operations harment. In a	ind Cleanup / osimately 60' information gi are required a rooment. The are failed to a ddition, NMC	The auton Vetion Tall 'x 150' or 'ven above o report ar acceptance idequately CD accep	is true and comp d/or file certain r e of a C-141 rep investigate and r	diation water to the release no on by the remodiate	till be complete best of my otifications as: NMOCD ms: contaminati	knowledge and u diperform correct arked as "Final pose a thr	with an approve inderstand that provide actions for re- spect does not well to ground we	
oil and 30 bt Describe Are The affected NMOCD. I hereby cert regulations a public health should their or the enviro federal, state	a Affected a area is appro- fy that the li il operators or the envir operations harment. In a	ind Cleanup / osimately 60' information gi are required a rooment. The are failed to a ddition, NMC	The auton Vetion Tall 'x 150' or 'ven above o report ar acceptance idequately CD accep	is true and comp d/or file certain r e of a C-141 rep investigate and r	diation water to the release no on by the remodiate	till be complete best of my otifications as: NMOCD ms: contaminati	knowledge and u and perform correct arked as "Final Ro on that pose a thin to the operator of it	with an approve inderstand that pr tive actions for re port" does not re to ground wa esponsibility for	d remediation plan from research to NMOCD rules and cleases which may endanger rileve the operator of Itability or, surface water, human health
Describe Are The affected NMOCD. I hereby cert regulations a public health should their or the environ federal, state Signature:	a Affected is a Affected in area is appropriate the lift operators or the environment. In an or local law	ind Cleanup / osimately 60' information gi are required a rooment. The are failed to a ddition, NMC	The auton Vetion Tall 'x 150' or 'ven above o report ar acceptance idequately CD accep	is true and comp d/or file certain r e of a C-141 rep investigate and r	diation w blete to the release no on by the remediate report de	will be complete best of my outfloations as a NMOCD me contaminations not relieve	knowledge and u and perform correct arked as "Final Ro on that pose a thin to the operator of it	with an approve inderstand that provide actions for a sport" does not reat to ground wa esponsibility for SERVATIO	d remediation plan from assault to NMOCD rules and leases which may endanger thieve the operator of liability or, surface water, human health compliance with any other
oil and 30 bb Describe Are The affected NMOCD. I beneby certi- regulations a public health should their to or the environ federal, state Signonure: Printed Name	a Affected is a Affected in area is appropriate the lift operators or the environment. In an or local law	and Cleanup is on installed to community of the community	The auton Vetion Tall 'x 150' or 'ven above o report ar acceptance idequately CD accep	is true and comp d/or file certain r e of a C-141 rep investigate and r	diation where to the release no or by the remodiate report do	will be complete best of my outfloations as a NMOCD me contaminations not relieve	knowledge and u d perform correc arked as "Final R on that pose a tim o the operator of o OIL CONS Environmental S	with an approve inderstand that provide actions for a sport" does not reat to ground wa esponsibility for SERVATIO	d remediation plan from trustal to NIMOCD rules and leases which may endanger there the operator of liability or, surface water, human health compliance with any other N DIVISION
oil and 30 bb Describe Are The affected NMOCD. 1 beneby cert regulations a public health should their to or the enviro federal, state Printed Name	a Affected is appropriate and a superior of the properations of the control of the properations in the properations in the properations in the properation of the properations in the properation of the pr	who discrete water, and Cleanup is continuately 60 on information git are required to content. The are failed to a didition. NMC as and/or regge to the content of the cont	The auton Tall x 150' or yen above o report an acceptana dequinely CD acceptanian	is true and comp d/or file certain r e of a C-141 rep investigate and r	diation wallete to the release no on by the remodiate report do	tie best of my bifications as NMOCD m contaminations not relieve	knowledge and u d perform correct arked as "Final R on that pose a thre of the operator of t OTL CON: Environmental S e:	with an approve indensiand that prive actions for re- spent" does not re- tait to ground wa esponsibility for SERVATIO	research to NMOCD rules and cleases which may endanger theire the operator of liability er, surface water, human health compliance with any other N DIVISION
oil and 30 bb Describe Are The affected NMOCD. 1 bereby cert regulations a public health should their or the enviro federal, state Signature: Printed Nam Title: HES E-mail Addn Date:	a Affected is appropriate the large and a support of the large and a support of the large and a support of the large and large	who discrete water, and Cleanup is continuately 60 on information git are required to content. The are failed to a didition. NMC as and/or regge to the content of the cont	The auton Tall x 150' or ven above o report as acceptant adequately CD acceptant and acceptant acceptant and acceptant accepta	in true and comp diverse and comp diverse and comp diverse and comp diverse and comp investigate and a tance of a C-141	diation where to the release nor by the remediate report do	the best of my billion and the best of my billional ones. NAMOCD me consuminations not relieve Approved by	knowledge and u d perform correct arked as "Final R on that pose a thre of the operator of t OTL CON: Environmental S e:	with an approve indensiand that prive actions for re- spent" does not re- tait to ground wa esponsibility for SERVATIO	d remediation plan from research to NMOCD rules and releases which may endanger rithrow the operator of liability or, surface water, human health compliance with any other N DIVISION

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 <u>District IV</u> 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.

			Kel	ease Notific	catio	n and C	orrective A	ction				
			_			OPERA	TOR	\boxtimes	Initia	l Report		Final Repor
Name of Co	ompany O	xy USA Inc				Contact	Austin Tramell			- Itopoit		Tinui Repor
Address 10	17 W Star	nolind Road	Hobbs, N	M 88240			No. 575-499-49	19				
Facility Na	me Monsa	nto State Bai	tery			Facility Ty	oe Gathering					
Surface Ow	ner Sta	te		Mineral O)wner			AF	PI No.	. N/A		
				LOCA	OITA	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/West L	ine	County		
N	16	25S	32E						ĺ			
			Lati	tude_32.12676°)	_ Longitude	e103.67994°_					
				NAT	URE	OF REL	EASE					
Type of Rele		ced Water					Release 35BBL			ecovered 1		
over.	lease Auto	mation failure	on water	tank causing tank	spill		four of Occurrence 4 @ 08:00AM	e Date	and I	lour of Dis	covery	
Was Immedia	ate Notice C					If YES, To						
			Yes _	No Not Re	quired	Geoffrey L	eking NMOCD					
By Whom? A Was a Watero							Iour 03/20/2014 9					
was a water	ourse Keac	nea?	Yes 🛚	No		If YES, Vo	olume Impacting t	he Watercour	se.	"		
If a Watercou	rse was Imp	pacted, Descri	be Fully.*									
Describe Cau	Describe Cause of Problem and Remedial Action Taken.*											
Automation fa	ailure causii	ng tanks to spi	ll over an	d leak 35 bbls of p	oroduce	ed water . 30 b	bls were recovere	ed and automa	ition w	vas repaired	d.	
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*								
				ediation will be co								
public health of should their of	or the environs har perations har ment. In ad	onment. The average of the failed to addition, NMO	report and acceptance dequately 2D accept	is true and comple d/or file certain re- e of a C-141 repor investigate and re- ance of a C-141 re-	lease noted that the desired the desired the desired term in the d	otifications and NMOCD ma	id perform correct arked as "Final Re	tive actions for eport" does no	r relea t relie	ises which ve the oper	may en	idanger liability
Signature:	All.	Last of the second					OIL CONS	SERVATIO	ON I	DIVISIO	N	
Printed Name:	Austin Tra	mell				Approved by l	Environmental Sp	ecialist:				
Title: HES Spe	ecialist					Approval Date	÷:	Expirat	lion D	ate:		
E-mail Addres	s: Austin_	_tramell@oxy	.com			Conditions of	Approval:			Attached		
	/14/2014	Phone	e: 575-49	9-4919							_	
Attach Additi	onal Sheet	e If Necessa	124									

Appendix C Site Photographs



Location Sign



Spill facing northwest



Spill facing north



Spill facing northeast



Spill facing east



Spill facing southeast



Spill facing northeast



Spill facing southwest



Spill facing southwest



Spill facing south



Location at Completion



Completed bermed area



 $Nor the ast\,at\,completion$



 $Southwest \, at \, completion \,$

Appendix D Final C-141'S

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Espais Dr. Sonto Fe NM 87505 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 October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notific	cation and Corrective Action	n	
	OPERATOR	☐ Initial Report	Final Report
	Contact: Austin Tramell		
Hobbs, M 88240	Telephone No. (575)499-4919		
ttery	Facility Type: Gathering		

Name of Company Oxy USA Inc Address: 1017 W Stanolind Road Facility Name Monsanto State Ba API No. Mineral Owner: Surface Owner: State LOCATION OF RELEASE

Unit Letter N	Section 16	Township 25S	Range 32E	Feet from the	North/S	South Line	Feet from the	East/West Line	County Lea
				Latitude3	2.12676	Longitud	e <u>103.67994°</u>		
				_		OF REL			
Type of Rele	ase: Produc	ed Water		1171	CLUB		Release 35Bbls	Volume	e Recovered 30
			on water	tank causing tank	c spill		Hour of Occurrence 4 @08:00m		d Hour of Discovery
Was Immedi	ate Notice		l Vac	No Not R	aguired	If YES, To			
By Whom?			1 168 [] 140 140f K	equireu	Date and I			
Was a Water	course Rea	ched?					olume Impacting	the Watercourse.	
] Yes ∑] No					
If a Waterco	ırse was In	pacted, Desci	ibe Fully.	*			<u></u> ,		
Describe Car	ise of Prob	lem and Reme	dial Actio	n Taken.*			<u> </u>		
Automation	failure caus	ing tanks to s	nill over a	nd leak 35bbls o	f produce	d water. 30	bbls were recover	ed and automatic	n was repaired.
			r		1				•
Describe Are	a Affected	and Cleanup	Action Ta	ken.*					
The area ins	de the tank	berm was ex	cavated to	a depth of approx	ximately 2	2', in accord	ance with the app	roved NMOCD	workplan. Contaminated soil was
transported t	o Sundance	, an NMOCD	approved	disposal facility.	The exc	avated area	was backfilled wi	th soil transporte	d from off-site.
I hereby cert	ify that the	information g	given abov	e is true and com	plete to the	ne best of my	y knowledge and	understand that parties of the contract of the	ursuant to NMOCD rules and releases which may endanger
public health	or the env	ironment. Th	e acceptar	ice of a C-141 ren	ort by the	e NMOCD r	narked as "Final I	Report" does not	relieve the operator of liability
should their	operations	have failed to	adequatel	y investigate and	remediat	e contamina	tion that pose a th	reat to ground ware	ater, surface water, human health r compliance with any other
federal, state	onment. In	addition, invi	gulations.	plance of a C-141	i report u	oes not rene			
					1		OIL CON	ISERVATIO	<u>N DIVISION</u>
Signature:	Flu	In In	mlf						
Printed Nam	e: Austin I	Trammel				Approved b	y District Supervi	sor:	
Title: HSE S	Specialist					Approval D	ate:	Expirati	on Date:
E-mail Add	ess: Austin	_tramell@ox	y.com			Conditions	of Approval:		Attached
Date: 05/15/				one:575—499 - 49	19		•		Treation L.
* Attach Add		eets If Neces				-			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

				OPERATOR			☐ Initial Report ☐ Final Report			
Name of Company Oxy USA Inc				Contact: Austin Tramell						
Address: 1017 W Stanolind Road, Hobbs, M 88240				Telephone No. (575)499-4919						
Facility Name M	Facility Typ	e: Gathering								
Surface Owner:				API No.						
LOCATION OF RELEASE										
Unit Letter Sec	tion Township	Range		South Line	Feet from the	East/W	est Line	County		
N 16	25S	32E	1 000 11 011 0110					Lea		
Latitude32.12676° Longitude103.67994°										
NATURE OF RELEASE										
Type of Release: F	Volume of Release 35Bbls oil 35 bbls produced water			Volume Recovered 30 bbls oi 30 bbls produced water						
Source of Release:				Date and Hour of Discovery						
tank overflow	01/05/2014									
Was Immediate N	If YES, To Whom? Tomas Oberding NMOCD									
By Whom?				Date and Hour						
Was a Watercours	If YES, Volume Impacting the Watercourse.									
If a Watercourse was Impacted, Describe Fully.*										
Describe Cause of Problem and Remedial Action Taken.*										
Automation failure caused the tanks to overflow and leak 35bbls of oil and 35 bbls of produced water onto the ground. A vacuum truck recovered 30 bbls										
of oil and 30 bbls of produced water. The automation was repaired.										
Describe Area Affected and Cleanup Action Taken.*										
The area inside the tank berm was excavated to a depth of approximately 2', in accordance with the approved NMOCD workplan. Contaminated soil was										
transported to Sundance, an NMOCD approved disposal facility. The excavated area was backfilled with soil transported from off-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/op/regulations.										
	OIL CONSERVATION DIVISION									
Signature:										
Printed Name: Austin Trammel				Approved by District Supervisor:						
,										
Title: HSE Specia	ılist			Approval Da	ate:	1	Expiration	Date:		
E-mail Address: Austin_tramell@oxy.com				Conditions of Approval:			Attached			
Date: 05/15/15										

^{*} Attach Additional Sheets If Necessary