

Closure Report

nKJ1605034869

Site Description

Site Name:	MONSANTO STATE BATTERY
Company:	Oxy USA, Inc.
Legal Description:	N , S 16, TS 25S , R 32E
County:	LEA
GPS Coordinates:	32.12676 , -103.67994

Release Data

Date of Release:	1/5/2014
Type of Release:	Oil and produced water
Source of Release:	Water transfer pump failure caused tanks to overflow
Volume of Release:	3 bbls oil, 12 bbls produced water
Volume Recovered:	3 bbls oil, 10 bbls produced water

Remediation Specifications

Remediation Parameters:	This site is listed on the Agreed Compliance Order of 4/5/19. This site had previously been remediated but no paperwork existed for verification therefore, OXY performed confirmation sampling to verify remediation limits had been met. The enclosed site diagram depicts the spill area, excavation depths, and the confirmation sample points. OXY collected sidewall and bottom confirmation samples every 200 square feet .
Remediation Activities:	

Plan Sent to OCD:	4/2/2014	
OCD Approval of Plan:	4/7/2014	
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Closure photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report	
Notifications		

Request for Closure

Based on the completion of the remediation plan, BBC International requests closure approval from NMOCD.

Cliff P. Brunson
President, BBC International, Inc.

9/29/2022

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	1RP-4188
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 9-29-22email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 1/19/2023Printed Name: Brittany Hall Title: Environmental Specialist





OXY-MONSANTO STATE BATTERY

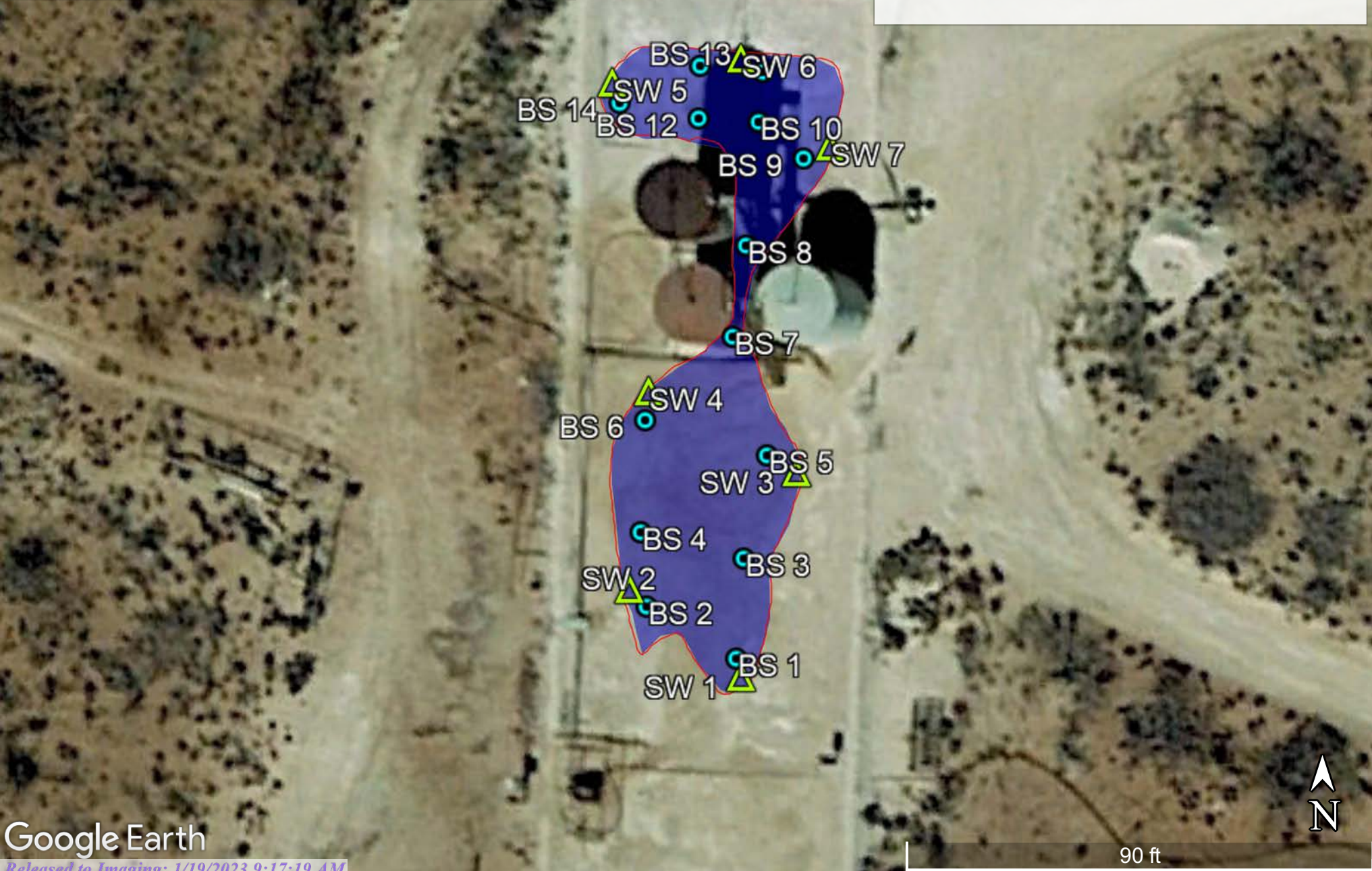
LEAK DATE : 01/05/2014

1RP-4188

LEA COUNTY , NM

Legend

-  3 FEET EXCAVATION
-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS



OXY-MONSANTO STATE BATT(1/5/14)

SAMPLE DATE 9/8/22

BOTTOM SAMPLE

BS 1@4'	N 32.12648	W-103.68005
BS 2@4'	N 32.12655	W-103.65015
BS 3@4'	N 32.12660	W-103.68007
BS 4@4'	N 31.12664	W-103.68013
BS 5@4'	N 32.12667	W-103.68005
BS 6@4'	N 32.12674	W-103.68008
BS 7@4'	N 32.12674	W-103.68007
BS 8@4'	N 32.12673	W-103.68009
BS 9@4'	N 32.12676	W-103.68005
BS 10@4'	N 32.12682	W-103.68006
BS 11@4'	N 32.12681	W-103.68008
BS 12@4'	N 32.12683	W-103.68010
BS 13@4'	N 32.12686	W-103.68012
BS 14@4'	N 32.12684	W-103.68014

SIDEWALL

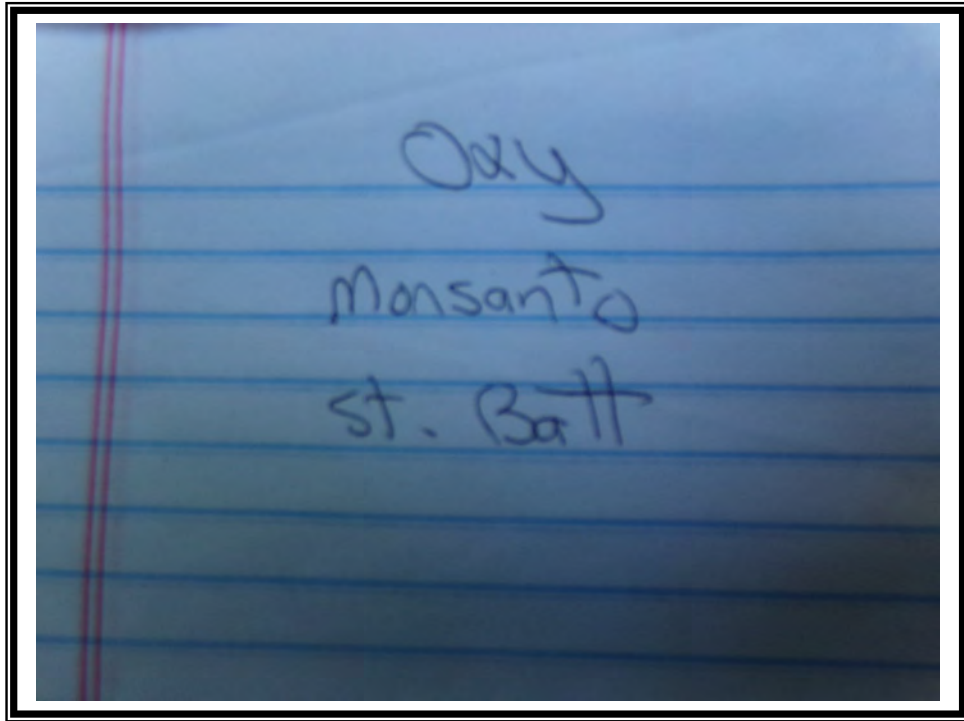
SW 1	N 32.126573	W-103.680074
SW 2	N 32.126681	W-103.680143
SW 3	N 32.126723	W-103.680131
SW 4	N 32.126723	W-103.680131
SW 5	N 32.126886	W-103.680154
SW 6	N 32.126898	W-103.680074
SW 7	N 32.126852	W-103.680019

	Sample ID	BS 1 @ 4'	BS 2 @ 4'	BS 3 @ 4'	BS 4 @ 4'	BS 5 @ 4'	BS 6 @ 4'	BS 7 @ 4'	BS 8 @ 4'	BS 9 @ 4'	BS10@ 4'	BS 11 @ 4'	BS12 @ 4'	BS13 @ 4'	BS14 @ 4'
Analyte	Date	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		32.0	16.0	32.0	16.0	32.0	16.0	16.0	16.0	32.0	32.0	16.0	16.0	16.0	32.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7
Analyte	Date	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22	9/8/22
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.0150	<0.0150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		16.0	16.0	32.0	32.0	16.0	16.0	16.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



OXY- MONSANTO STATE BATTERY (01/05/2014)





OXY- MONSANTO STATE BATTERY (01/05/2014)





OXY- MONSANTO STATE BATTERY (01/05/2014)



Administrative/Environmental Order



AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pKJ1605035047

1RP - 4188

OXY USA INC

2/19/2016

From: [Cliff P. Brunson](#)
To: [Geoffrey Leking](#)
Cc: [Austin Trammell](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: OXY-Monsanto State Battery-Remediation Plan
Date: Saturday, April 5, 2014 6:44:59 PM
Attachments: [Remediation Packet.pdf](#)

Geoff,

This e-mail is to confirm our conversation on April 2, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 3 feet in the entire leak area that is depicted on the attached site diagram. A compacted clay liner will then be installed in the excavated area and the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com

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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	Oxy Permian Ltd.	Contact	Austin Trammell
Address	1017 W. Stanolind Rd, Hobbs, NM 88240	Telephone No.	(575) 397-8210
Facility Name	Monsanto State Battery	Facility Type	Gathering
Surface Owner	State	Mineral Owner	API No. n/a

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	16	25S	32E					Lea

Latitude N 32.12676° Longitude W 103.67994°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	3 bbls oil, 12 bbls produced water	Volume Recovered	3 bbls oil, 10 bbls produced water
Source of Release	Overload tripped on water transfer pump causing tank overflow	Date and Hour of Occurrence	01/05/2014	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking-NMOCD		
By Whom?	Austin Trammell	Date and Hour	01/06/2014		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.*

Overload on a water transfer pump caused the tanks to overflow and leak 3 bbls of oil and 12 bbls of produced water onto the ground. A vacuum truck recovered the oil and 10 bbls of the produced water and the pump was repaired.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 60' x 40' on location. Remediation will be completed in accordance with an approved remediation plan from NMOCD.

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:		Approv	APPROVED 2/19/16
Printed Name:	Austin Trammell		
Title:	HES Coordinator	Approv	
E-mail Address:	Austin.Trammell@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date:	1/9/14	Phone:	(575) 397-8216

* Attach Additional Sheets If Necessary

12P-4188



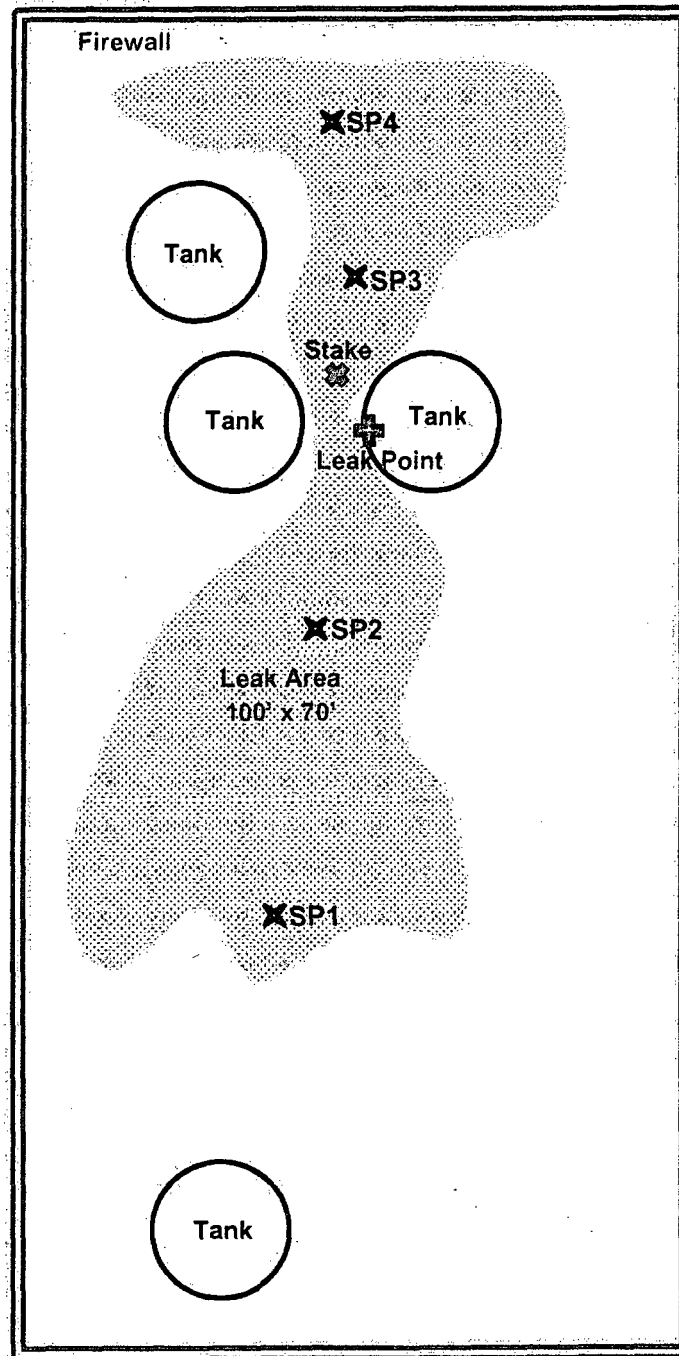
Oxy

Monsanto State Battery

HOBBS OCD

APR 05 2014

RECEIVED



approved
Jeffrey Selinger
 Environmental Specialist
 NMOC - 01551
 4/7/14

U/L N, Section 16, T25S, R32E
 Lea County, NM
 N 32.12676° W 103.67994° at stake

BBC International, Inc.

Oxy

Monsanto State Battery

Date: 11/11/13

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2013



Groundwater Plot

Oxy Monsanto State Battery

County
Lea

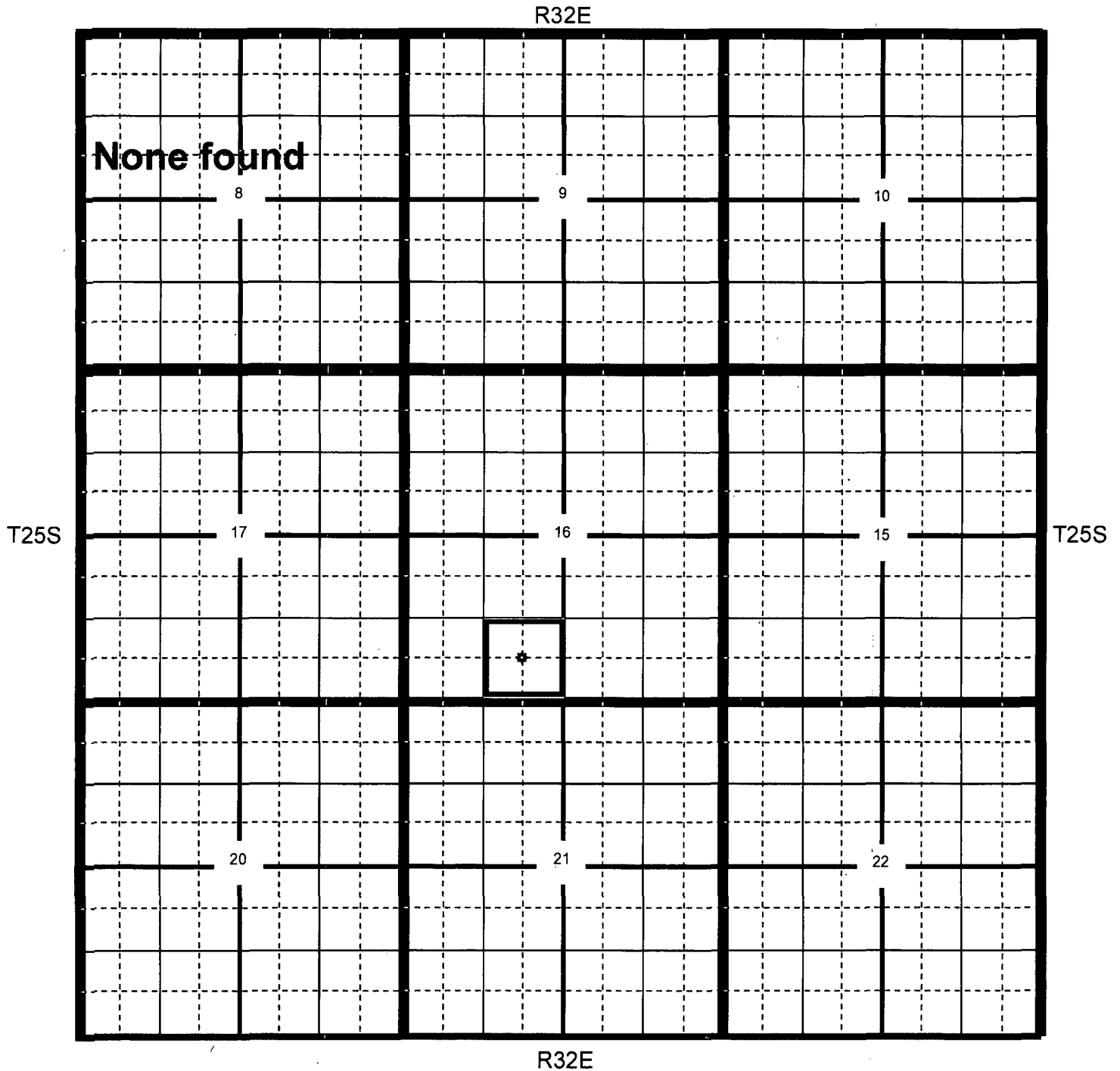
Unit Letter
N

Section
16

Township
25S

Range
32E

Trend Map 300'



⊛ Location

● OCD

● USGS

⊛ SEO

● All Databases



Section Quarters

Oxy Monsanto State Battery

County Lea	Unit Letter N	Section 16	Township 25S	Range 32E
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Trend Map 300'

1

2

NW/NW None found	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW ✱	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

✱ Location ● OCD ● USGS ● SEO ● All Databases

**Laboratory Analytical Results Summary
Monsanto State Battery**

Analyte	Method	Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 8'	SP1 @ 10'
		Date	1/22/14	1/22/14	1/22/14	1/22/14	1/22/14
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<2.00	<0.050	<0.050	<0.050	<0.100
Toluene	BTEX 8021B		25.5	0.316	<0.050	<0.050	0.200
Ethylbenzene	BTEX 8021B		21.5	0.523	<0.050	<0.050	1.38
Total Xylenes	BTEX 8021B		110	2.14	<0.150	<0.150	2.03
Total BTEX	BTEX 8021B		157	2.98	<0.300	<0.300	3.61
Chloride	SM4500Cl-B		7460	3160	688	432	176
GRO	TPH 8015M		3950	<100	<10.0	<10.0	169
DRO	TPH 8015M		19600	792	70.5	61.8	2910

Analyte	Method	Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 9'
		Date	1/22/14	1/22/14	1/22/14	3/12/14	3/12/14
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		1.19	<0.200	<0.500	<0.050	<0.050
Toluene	BTEX 8021B		14.3	0.531	0.696	<0.050	<0.050
Ethylbenzene	BTEX 8021B		12.4	3.70	5.14	<0.050	<0.050
Total Xylenes	BTEX 8021B		46.8	6.55	8.37	0.165	<0.150
Total BTEX	BTEX 8021B		74.7	10.8	14.2	<0.300	<0.300
Chloride	SM4500Cl-B		2000	304	128	n/a	n/a
GRO	TPH 8015M		1270	359	614	180	<10.0
DRO	TPH 8015M		6570	3190	5650	2350	<10.0

Analyte	Method	Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'
		Date	1/22/14	1/22/14	1/22/14	3/12/14	3/12/14
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<1.00	<0.500	<0.050	<0.050
Toluene	BTEX 8021B		1.86	1.03	0.530	<0.050	<0.050
Ethylbenzene	BTEX 8021B		5.18	6.02	3.60	0.065	<0.050
Total Xylenes	BTEX 8021B		12.5	11.6	5.71	0.729	<0.150
Total BTEX	BTEX 8021B		19.5	18.6	9.84	0.793	<0.300
Chloride	SM4500Cl-B		1280	176	48	n/a	n/a
GRO	TPH 8015M		575	1070	467	693	<10.0
DRO	TPH 8015M		4850	7790	4660	5750	<10.0

Analyte	Method	Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 4'	SP4 @ 5'	SP4 @ 7'
		Date	1/22/14	1/22/14	1/22/14	3/13/14	3/13/14
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.100	<0.050	n/a	n/a
Toluene	BTEX 8021B		0.956	0.499	0.065	n/a	n/a
Ethylbenzene	BTEX 8021B		2.31	2.03	0.353	n/a	n/a
Total Xylenes	BTEX 8021B		8.84	3.56	0.645	n/a	n/a
Total BTEX	BTEX 8021B		12.1	6.09	1.06	n/a	n/a
Chloride	SM4500Cl-B		4320	608	3080	3200	256
GRO	TPH 8015M		485	186	41.5	n/a	n/a
DRO	TPH 8015M		6620	4020	1830	n/a	n/a



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

January 31, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MONSANTO BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/27/14 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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Coley D. Keene", written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/22/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 1 @ 1 FT (H400244-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	01/29/2014	ND	2.44	122	2.00	0.161	
Toluene*	25.5	2.00	01/29/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	21.5	2.00	01/29/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	110	6.00	01/29/2014	ND	6.86	114	6.00	0.152	
Total BTX	157	12.0	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 139 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	01/29/2014	ND	416	104	400	0.00	

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	3950	100	01/27/2014	ND	203	101	200	1.95	
DRO >C10-C28	19600	100	01/27/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 226 % 65.2-140

Surrogate: 1-Chlorooctadecane 506 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3 FT (H400244-02)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.316	0.050	01/29/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	0.523	0.050	01/29/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	2.14	0.150	01/29/2014	ND	6.86	114	6.00	0.152	
Total BTX	2.98	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 154 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	01/29/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	01/27/2014	ND	203	101	200	1.95	
DRO >C10-C28	792	100	01/27/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 72.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	01/27/2014	Sampling Date:	01/22/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 1 @ 5 FT (H400244-03)

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	01/29/2014	ND	2.44	122	2.00	0.161	
Toluene*	<0.050	0.050	01/29/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.86	114	6.00	0.152	
Total BTEX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	01/29/2014	ND	416	104	400	0.00	

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	01/27/2014	ND	203	101	200	1.95	
DRO >C10-C28	70.5	10.0	01/27/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 86.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

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Analytical Results For:

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Received:	01/27/2014	Sampling Date:	01/22/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 1 @ 8 FT (H400244-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2014	ND	2.44	122	2.00	0.161	
Toluene*	<0.050	0.050	01/29/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	<0.050	0.050	01/29/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	<0.150	0.150	01/29/2014	ND	6.86	114	6.00	0.152	
Total BTX	<0.300	0.300	01/29/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	01/29/2014	ND	416	104	400	0.00	

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	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	61.8	10.0	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 97.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.4 % 63.6-154

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Received:	01/27/2014	Sampling Date:	01/22/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 1 @ 10 FT (H400244-05)

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	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.200	0.100	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	1.38	0.100	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	2.03	0.300	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEX	3.61	0.600	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.7 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/29/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	169	50.0	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	2910	50.0	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 92.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 138 % 63.6-154

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Received:	01/27/2014	Sampling Date:	01/22/2014
Reported:	01/31/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 2 @ 1 FT (H400244-06)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.19	1.00	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	14.3	1.00	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	12.4	1.00	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	46.8	3.00	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTX	74.7	6.00	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 148 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	01/30/2014	ND	400	100	400	0.00	

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	1270	200	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	6570	200	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 139 % 65.2-140

Surrogate: 1-Chlorooctadecane 199 % 63.6-154

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Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3 FT (H400244-07)

BTX 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	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.531	0.200	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	3.70	0.200	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	6.55	0.600	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTX	10.8	1.20	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/30/2014	ND	400	100	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					
S-06									

Surrogate: 1-Chlorooctane 84.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 180 % 63.6-154

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Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 5 FT (H400244-08)

BTX 8021B		mg/kg	Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.696	0.500	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	5.14	0.500	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	8.37	1.50	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTX	14.2	3.00	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 204 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/30/2014	ND	400	100	400	0.00	

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	614	100	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	5650	100	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 120 % 65.2-140

Surrogate: 1-Chlorooctadecane 178 % 63.6-154

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Analytical Results For:

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Received: 01/27/2014
Reported: 01/31/2014
Project Name: MONSANTO BATTERY
Project Number: NONE GIVEN
Project Location: C-1

Sampling Date: 01/22/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1 FT (H400244-09)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	1.86	0.500	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	5.18	0.500	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	12.5	1.50	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTX	19.5	3.00	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 218 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	01/30/2014	ND	400	100	400	0.00	

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	575	200	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	4850	200	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 256 % 63.6-154

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Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2 FT (H400244-10)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	1.03	1.00	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	6.02	1.00	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	11.6	3.00	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEx	18.6	6.00	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 171 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/30/2014	ND	400	100	400	0.00	
TPH 8015M									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1070	50.0	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	7790	50.0	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 125 % 65.2-140

Surrogate: 1-Chlorooctadecane 186 % 63.6-154

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Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3 FT (H400244-11)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.530	0.500	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	3.60	0.500	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	5.71	1.50	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTX	9.84	3.00	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 173 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/30/2014	ND	400	100	400	0.00	

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	467	50.0	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	4660	50.0	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 117 % 65.2-140

Surrogate: 1-Chlorooctadecane 305 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 1 FT (H400244-12)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.956	0.500	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	2.31	0.500	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	8.84	1.50	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEX	12.1	3.00	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 141 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	01/30/2014	ND	400	100	400	0.00	

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	485	100	01/28/2014	ND	203	101	200	1.95	
DRO >C10-C28	6620	100	01/28/2014	ND	195	97.4	200	1.09	

Surrogate: 1-Chlorooctane 141 % 65.2-140

Surrogate: 1-Chlorooctadecane 179 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 2 FT (H400244-13)

BTX 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	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.499	0.100	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	2.03	0.100	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	3.56	0.300	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTX	6.09	0.600	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.7 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	186	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	4020	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 86.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 151 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 01/27/2014
 Reported: 01/31/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 01/22/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 4 FT (H400244-14)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2014	ND	2.44	122	2.00	0.161	
Toluene*	0.065	0.050	01/30/2014	ND	2.37	119	2.00	0.245	
Ethylbenzene*	0.353	0.050	01/30/2014	ND	2.36	118	2.00	0.0847	
Total Xylenes*	0.645	0.150	01/30/2014	ND	6.86	114	6.00	0.152	
Total BTEx	1.06	0.300	01/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 205 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	01/30/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	41.5	10.0	01/28/2014	ND	192	96.2	200	0.594	
DRO >C10-C28	1830	10.0	01/28/2014	ND	183	91.4	200	2.51	

Surrogate: 1-Chlorooctane 92.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 129 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marlton, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BGC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		City: Hobbs		State: NM Zip: 88241		Company:											
Address: P.O. Box 805		Phone # 575-397-6388		Fax # 575-397-0397		City: Hobbs		State: NM		Zip: 88241							
Project #:		Project Name: Menzies Battery		Project Owner: CXY		City: Hobbs		State: NM		Zip: 88241							
Project Location: C-2		Sample Name: GR		Fax #:		City: Hobbs		State: NM		Zip: 88241							
Lab I.D. H400044		Sample I.D.		GRAB OR (C)OMP		MATRIX		PRESERV		SAMPLING							
1		P20 254		6		1		X		DATE		TIME		CL		TRH	
2		P20 544		6		1		X		DATE		TIME		CL		TRH	
3		P20 544		6		1		X		DATE		TIME		CL		TRH	
4		P20 844		6		1		X		DATE		TIME		CL		TRH	
5		P20 1044		6		1		X		DATE		TIME		CL		TRH	
6		P20 244		6		1		X		DATE		TIME		CL		TRH	
7		P20 544		6		1		X		DATE		TIME		CL		TRH	
8		P20 544		6		1		X		DATE		TIME		CL		TRH	
9		P20 244		6		1		X		DATE		TIME		CL		TRH	
10		P20 244		6		1		X		DATE		TIME		CL		TRH	
11		P20 244		6		1		X		DATE		TIME		CL		TRH	
12		P20 244		6		1		X		DATE		TIME		CL		TRH	
13		P20 244		6		1		X		DATE		TIME		CL		TRH	
14		P20 244		6		1		X		DATE		TIME		CL		TRH	
15		P20 244		6		1		X		DATE		TIME		CL		TRH	
16		P20 244		6		1		X		DATE		TIME		CL		TRH	
17		P20 244		6		1		X		DATE		TIME		CL		TRH	
18		P20 244		6		1		X		DATE		TIME		CL		TRH	
19		P20 244		6		1		X		DATE		TIME		CL		TRH	
20		P20 244		6		1		X		DATE		TIME		CL		TRH	
21		P20 244		6		1		X		DATE		TIME		CL		TRH	
22		P20 244		6		1		X		DATE		TIME		CL		TRH	
23		P20 244		6		1		X		DATE		TIME		CL		TRH	
24		P20 244		6		1		X		DATE		TIME		CL		TRH	
25		P20 244		6		1		X		DATE		TIME		CL		TRH	
26		P20 244		6		1		X		DATE		TIME		CL		TRH	
27		P20 244		6		1		X		DATE		TIME		CL		TRH	
28		P20 244		6		1		X		DATE		TIME		CL		TRH	
29		P20 244		6		1		X		DATE		TIME		CL		TRH	
30		P20 244		6		1		X		DATE		TIME		CL		TRH	
31		P20 244		6		1		X		DATE		TIME		CL		TRH	
32		P20 244		6		1		X		DATE		TIME		CL		TRH	
33		P20 244		6		1		X		DATE		TIME		CL		TRH	
34		P20 244		6		1		X		DATE		TIME		CL		TRH	
35		P20 244		6		1		X		DATE		TIME		CL		TRH	
36		P20 244		6		1		X		DATE		TIME		CL		TRH	
37		P20 244		6		1		X		DATE		TIME		CL		TRH	
38		P20 244		6		1		X		DATE		TIME		CL		TRH	
39		P20 244		6		1		X		DATE		TIME		CL		TRH	
40		P20 244		6		1		X		DATE		TIME		CL		TRH	
41		P20 244		6		1		X		DATE		TIME		CL		TRH	
42		P20 244		6		1		X		DATE		TIME		CL		TRH	
43		P20 244		6		1		X		DATE		TIME		CL		TRH	
44		P20 244		6		1		X		DATE		TIME		CL		TRH	
45		P20 244		6		1		X		DATE		TIME		CL		TRH	
46		P20 244		6		1		X		DATE		TIME		CL		TRH	
47		P20 244		6		1		X		DATE		TIME		CL		TRH	
48		P20 244		6		1		X		DATE		TIME		CL		TRH	
49		P20 244		6		1		X		DATE		TIME		CL		TRH	
50		P20 244		6		1		X		DATE		TIME		CL		TRH	
51		P20 244		6		1		X		DATE		TIME		CL		TRH	
52		P20 244		6		1		X		DATE		TIME		CL		TRH	
53		P20 244		6		1		X		DATE		TIME		CL		TRH	
54		P20 244		6		1		X		DATE		TIME		CL		TRH	
55		P20 244		6		1		X		DATE		TIME		CL		TRH	
56		P20 244		6		1		X		DATE		TIME		CL		TRH	
57		P20 244		6		1		X		DATE		TIME		CL		TRH	
58		P20 244		6		1		X		DATE		TIME		CL		TRH	
59		P20 244		6		1		X		DATE		TIME		CL		TRH	
60		P20 244		6		1		X		DATE		TIME		CL		TRH	
61		P20 244		6		1		X		DATE		TIME		CL		TRH	
62		P20 244		6		1		X		DATE		TIME		CL		TRH	
63		P20 244		6		1		X		DATE		TIME		CL		TRH	
64		P20 244		6		1		X		DATE		TIME		CL		TRH	
65		P20 244		6		1		X		DATE		TIME		CL		TRH	
66		P20 244		6		1		X		DATE		TIME		CL		TRH	
67		P20 244		6		1		X		DATE		TIME		CL		TRH	
68		P20 244		6		1		X		DATE		TIME		CL		TRH	
69		P20 244		6		1		X		DATE		TIME		CL		TRH	
70		P20 244		6		1		X		DATE		TIME		CL		TRH	
71		P20 244		6		1		X		DATE		TIME		CL		TRH	
72		P20 244		6		1		X		DATE		TIME		CL		TRH	
73		P20 244		6		1		X		DATE		TIME		CL		TRH	
74		P20 244		6		1		X		DATE		TIME		CL		TRH	
75		P20 244		6		1		X		DATE		TIME		CL		TRH	
76		P20 244		6		1		X		DATE		TIME		CL		TRH	
77		P20 244		6		1		X		DATE		TIME		CL		TRH	
78		P20 244		6		1		X		DATE		TIME		CL		TRH	
79		P20 244		6		1		X		DATE		TIME		CL		TRH	
80		P20 244		6		1		X		DATE		TIME		CL		TRH	
81		P20 244		6		1		X		DATE		TIME		CL		TRH	
82		P20 244		6		1		X		DATE		TIME		CL		TRH	
83		P20 244		6		1		X		DATE		TIME		CL		TRH	
84		P20 244		6		1		X		DATE		TIME		CL		TRH	
85		P20 244		6		1		X		DATE		TIME		CL		TRH	
86		P20 244		6		1		X		DATE		TIME		CL		TRH	
87		P20 244		6		1		X		DATE		TIME		CL		TRH	
88		P20 244		6		1		X		DATE		TIME		CL		TRH	
89		P20 244		6		1		X		DATE		TIME		CL		TRH	
90		P20 244		6		1		X		DATE		TIME		CL		TRH	
91		P20 244		6		1		X		DATE		TIME		CL		TRH	
92		P20 244		6		1		X		DATE		TIME		CL		TRH	
93		P20 244		6		1		X		DATE		TIME		CL		TRH	
94		P20 244		6		1		X		DATE		TIME		CL		TRH	
95		P20 244		6		1		X		DATE		TIME		CL		TRH	
96		P20 244		6		1		X		DATE		TIME		CL		TRH	
97		P20 244		6		1		X		DATE		TIME		CL		TRH	
98		P20 244		6		1		X		DATE		TIME		CL		TRH	
99		P20 244		6		1		X		DATE		TIME		CL		TRH	
100		P20 244		6		1		X		DATE		TIME		CL		TRH	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 14, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MONSANTO BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/13/14 8:50.

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_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/13/2014	Sampling Date:	03/12/2014
Reported:	03/14/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 2 @ 7 FT (H400759-01)

BTEX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2014	ND	2.13	107	2.00	3.39	
Toluene*	<0.050	0.050	03/14/2014	ND	2.18	109	2.00	6.94	
Ethylbenzene*	<0.050	0.050	03/14/2014	ND	2.13	107	2.00	7.08	
Total Xylenes*	0.165	0.150	03/14/2014	ND	6.45	108	6.00	7.50	
Total BTEX	<0.300	0.300	03/14/2014	ND					

Surrogate: Dibromofluoromethane 98.3 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 300 % 65.7-141

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	180	50.0	03/14/2014	ND	199	99.6	200	8.31	
DRO >C10-C28	2350	50.0	03/14/2014	ND	194	96.9	200	5.88	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 147 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/13/2014	Sampling Date:	03/12/2014
Reported:	03/14/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 2 @ 9 FT (H400759-02)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2014	ND	2.13	107	2.00	3.39	
Toluene*	<0.050	0.050	03/14/2014	ND	2.18	109	2.00	6.94	
Ethylbenzene*	<0.050	0.050	03/14/2014	ND	2.13	107	2.00	7.08	
Total Xylenes*	<0.150	0.150	03/14/2014	ND	6.45	108	6.00	7.50	
Total BTX	<0.300	0.300	03/14/2014	ND					

Surrogate: Dibromofluoromethane 96.1 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 106 % 63.7-141

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	03/14/2014	ND	199	99.6	200	8.31	
DRO >C10-C28	<10.0	10.0	03/14/2014	ND	194	96.9	200	5.88	

Surrogate: 1-Chlorooctane 81.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.5 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/13/2014	Sampling Date:	03/12/2014
Reported:	03/14/2014	Sampling Type:	Soil
Project Name:	MONSANTO BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-1		

Sample ID: SP 3 @ 5 FT (H400759-03)

BTEX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2014	ND	2.13	107	2.00	3.39	
Toluene*	<0.050	0.050	03/14/2014	ND	2.18	109	2.00	6.94	
Ethylbenzene*	0.065	0.050	03/14/2014	ND	2.13	107	2.00	7.08	
Total Xylenes*	0.729	0.150	03/14/2014	ND	6.45	108	6.00	7.50	
Total BTEX	0.793	0.300	03/14/2014	ND					

Surrogate: Dibromofluoromethane 97.1 % 61.3-142

Surrogate: Toluene-d8 136 % 71.3-129

Surrogate: 4-Bromofluorobenzene 655 % 65.7-141

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	693	50.0	03/14/2014	ND	199	99.6	200	8.31	
DRO >C10-C28	5750	50.0	03/14/2014	ND	194	96.9	200	5.88	

Surrogate: 1-Chlorooctane 142 % 65.2-140

Surrogate: 1-Chlorooctadecane 188 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 03/13/2014
 Reported: 03/14/2014
 Project Name: MONSANTO BATTERY
 Project Number: NONE GIVEN
 Project Location: C-1

Sampling Date: 03/12/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 7 FT (H400759-04)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2014	ND	2.13	107	2.00	3.39	
Toluene*	<0.050	0.050	03/14/2014	ND	2.18	109	2.00	6.94	
Ethylbenzene*	<0.050	0.050	03/14/2014	ND	2.13	107	2.00	7.08	
Total Xylenes*	<0.150	0.150	03/14/2014	ND	6.45	108	6.00	7.50	
Total BTEx	<0.300	0.300	03/14/2014	ND					

Surrogate: Dibromofluoromethane 94.6 % 61.3-142

Surrogate: Toluene-d8 100 % 71.3-129

Surrogate: 4-Bromofluorobenzene 108 % 65.7-141

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	03/14/2014	ND	199	99.6	200	8.31	
DRO >C10-C28	<10.0	10.0	03/14/2014	ND	194	96.9	200	5.88	

Surrogate: 1-Chlorooctane 75.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 77.7 % 63.6-154

Sample ID: SP 4 @ 6 FT (H400759-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	03/13/2014	ND	416	104	400	3.92	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
Cliff Brunson
P.O. Box 805
Hobbs NM, 88241
Fax To: (575) 397-0397

Received: 03/13/2014
Reported: 03/14/2014
Project Name: MONSANTO BATTERY
Project Number: NONE GIVEN
Project Location: C-1

Sampling Date: 03/12/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 4 @ 7 FT (H400759-06)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/13/2014	ND	416	104	400	3.92	

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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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.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

From: [Leking, Geoffrey R, EMNRD](#)
To: [Cliff P. Brunson](#)
Cc: [Austin Trammell](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)
Subject: RE: OXY-Monsanto State Battery-Remediation Plan
Date: Monday, April 7, 2014 10:54:03 AM

Cliff

Per our conversation of April 2, 2014 and review of the below email and attachment, the remediation plan is approved for the OXY Monsanto State Battery. Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Saturday, April 05, 2014 7:45 PM
To: Leking, Geoffrey R, EMNRD
Cc: Austin Trammell; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-Monsanto State Battery-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on April 2, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 3 feet in the entire leak area that is depicted on the attached site diagram. A compacted clay liner will then be installed in the excavated area and the site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

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E-Mail: cbrunson@bbcinternational.com

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

September 17, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MONSANTO STATE BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/12/22 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 1 @ 4' (H224198-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29	
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32	
Total BTEX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 80.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.2 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 2 @ 4' (H224198-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTEX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 3 @ 4' (H224198-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 4 @ 4' (H224198-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.4 % 46.3-178

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 5 @ 4' (H224198-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.2 % 46.3-178

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 6 @ 4' (H224198-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 87.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.4 % 46.3-178

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 7 @ 4' (H224198-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTEX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73		
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18		
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND						

Surrogate: 1-Chlorooctane 83.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.0 % 46.3-178

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 8 @ 4' (H224198-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 75.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.3 % 46.3-178

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 9 @ 4' (H224198-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTEX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	183	91.7	200	2.73	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	186	93.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.2 % 46.3-178

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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 10 @ 4' (H224198-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	180	90.0	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	188	94.2	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 11 @ 4' (H224198-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2022	ND	180	90.0	200	3.70	
DRO >C10-C28*	<10.0	10.0	09/14/2022	ND	188	94.2	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	09/14/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.2 % 46.3-178

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Analytical Results For:

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 12 @ 4' (H224198-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.1 % 46.3-178

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 09/12/2022
 Reported: 09/17/2022
 Project Name: MONSANTO STATE BATTERY
 Project Number: (1/15/14)
 Project Location: OXY - NM

Sampling Date: 09/08/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM SAMPLE 13 @ 4' (H224198-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTEx	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: BOTTOM SAMPLE 14 @ 4' (H224198-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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Analytical Results For:

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Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: SIDEWALL 1 (H224198-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29	
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32	
Total BTX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: SIDEWALL 2 (H224198-16)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29	
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32	
Total BTX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: SIDEWALL 3 (H224198-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/15/2022	ND	400	100	400	7.69	QR-03	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.6 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: SIDEWALL 4 (H224198-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29		
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32		
Total BTX	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/15/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: SIDEWALL 5 (H224198-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/16/2022	ND	1.95	97.5	2.00	4.29	
Toluene*	<0.050	0.050	09/16/2022	ND	2.26	113	2.00	5.82	
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.20	110	2.00	4.80	
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.79	113	6.00	5.32	
Total BTX	<0.300	0.300	09/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/15/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: SIDEWALL 6 (H224198-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	2.06	103	2.00	0.488		
Toluene*	<0.050	0.050	09/16/2022	ND	2.05	103	2.00	0.458		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.04	102	2.00	0.691		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.29	105	6.00	0.0552		
Total BTEx	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/15/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	09/12/2022	Sampling Date:	09/08/2022
Reported:	09/17/2022	Sampling Type:	Soil
Project Name:	MONSANTO STATE BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(1/15/14)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NM		

Sample ID: SIDEWALL 7 (H224198-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/16/2022	ND	2.06	103	2.00	0.488		
Toluene*	<0.050	0.050	09/16/2022	ND	2.05	103	2.00	0.458		
Ethylbenzene*	<0.050	0.050	09/16/2022	ND	2.04	102	2.00	0.691		
Total Xylenes*	<0.150	0.150	09/16/2022	ND	6.29	105	6.00	0.0552		
Total BTEx	<0.300	0.300	09/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/15/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2022	ND	177	88.6	200	3.75	
DRO >C10-C28*	<10.0	10.0	09/15/2022	ND	171	85.4	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	09/15/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



404 CARDINAL LABORATORIES

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(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



ORDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.						P.O. #:						ANALYSIS REQUEST					
Project Manager: Cliff Brunson						Company: Oxy											
Address: P.O. Box 805						Attn:											
City: Hobbs						State: NM Zip: 88241											
Phone #: 575-397-6388						Fax #: 575-397-0397											
Project #:						City:											
Project Name: MONSANTO STATE BATTERY (1/5/14)						State: Zip:											
Project Location: New Mexico						Phone #:											
Sample Name: SIMON						Fax #:											
FOR LAB USE ONLY						MATRIX						PRESERV					
Lab I.D.						DATE						TIME					
Sample I.D.						(G)RAB OR (C)OMP											
# CONTAINERS						GROUNDWATER											
						WASTEWATER											
						SOIL											
						OIL											
						SLUDGE											
						OTHER :											
						ACID/BASE:											
						ICE / COOL											
						OTHER :											
H22498						9/8/22						1:37PM					
11						9/8/22						1:53PM					
BOTTOM SAMPLE 11 @ 4'						9/8/22						2:07PM					
12						9/8/22						2:20PM					
BOTTOM SAMPLPE 12 @ 4'						9/8/22						2:30PM					
13						9/8/22						2:42PM					
BOTTOM SAMPLE 13 @ 4'						9/8/22						2:56PM					
14						9/8/22						3:10PM					
BOTTOM SAMPLE 14 @ 4'						9/8/22						3:17PM					
15						9/8/22						3:28PM					
SIDEWALL 1						9/8/22											
16						9/8/22											
SIDEWALL 2						9/8/22											
17						9/8/22											
SIDEWALL 3						9/8/22											
18						9/8/22											
SIDEWALL 4						9/8/22											
19						9/8/22											
SIDEWALL 5						9/8/22											
20						9/8/22											
SIDEWALL 6						9/8/22											
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Relinquished By:						Date: 9-12-22						Time: 8:05 AM					
Relinquished By:						Received By:						Date: 9-12-22					
Delivered By: (Circle One)						Sample Condition						CHECKED BY: (Initials)					
Sampler - UPS - Bus - Other: -8.5°C/-9.1°C						Cool Intact						Yes Yes No No					
REMARKS:						Phone Result: Yes No Add'l Phone #:						Fax Result: Yes No Add'l Fax #:					

+ Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Phone:(575) 393-6161 Fax:(575) 393-0720

District II
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Phone:(575) 748-1283 Fax:(575) 748-9720

District III
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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 147608

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 147608
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	1/19/2023