

## Closure Report

### Site Description

Site Name:	State CM Battery
Company:	Oxy, Permian
Legal Description:	U/L B, Section 2, T18S, R33E
County:	Lea County, NM
GPS Coordinates:	N 32.78170 W -103.63079

### Release Data

Date of Release:	4/27/2020
Type of Release:	Produced water
Source of Release:	Bad gasket or back pressure
Volume of Release:	30 bbls oil and 50 bbls produced water
Volume Recovered:	25 bbls oil and 20 bbls produced water

### Remediation Specifications

Remediation Parameters:	Excavated the leak area to a depth of 1.5 feet. Collected confirmation samples on a 200 square foot basis. Site was backfilled with clean soil.
Remediation Activities:	5/5/2020 to 6/11/2020

Plan Sent to OCD:	N/A	
OCD Approval of Plan:	N/A	
Plan Sent to BLM:	N/A	
BLM Approval of Plan:	N/A	

### Supporting Documentation

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 7/24/20	
Depth to Groundwater	USGS Info	

### Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.		
Cliff Brunson, President of BBC International Inc.		12/14/2020

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 Department

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	NRM2015541340
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	OXY USA INC.	OGRID	16696
Contact Name	WADE DITTRICH	Contact Telephone	(575) 390-2828
Contact email	WADE_DITTRICH@OXY.COM	Incident # (assigned by OCD)	
Contact mailing address	PO BOX 4294; HOUSTON, TX 77210		

### Location of Release Source

Latitude 32.781707 Longitude -103.630798  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	STATE CM BATTERY	Site Type	BATTERY
Date Release Discovered	4-27-2020	API# (if applicable)	30-025-01574

Unit Letter	Section	Township	Range	County
B	2	18S	33E	LEA COUNTY, NM

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: ANGEL)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 30 BBLS	Volume Recovered (bbls) 25 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 50 BBLS	Volume Recovered (bbls) 20 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

BAD GASKET OR BACK PRESSURE

Form C-141

Page 2

State of New Mexico  
Oil Conservation Division

Incident ID	NRM2015541340
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>THE RELEASE WAS GREATER THAN 25 BBLS</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>YES, WADE DITTRICH OF OXY, VIA EMAIL 4/29/20 TO MIKE BRATCHER, JIM GRISWOLD, VICTORIA VENEGAS &amp; ROBERT HAMLET OF THE NMOCD</b>	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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.

Printed Name: Wade Dittrich Title: Environmental Coordinator  
 Signature:  Date: 4-28-2020  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	NRM2015541340
District RP	
Facility ID	
Application ID	

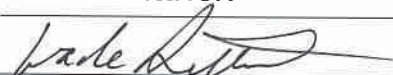
## Closure

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 Coordinator  
Signature:  Date: 8-18-20  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: Chad Hensley Date: 03/03/2021

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: 03/03/2021  
Printed Name: Chad Hensley Title: Environmental Specialist Advanced





# Oxy State CM

Leak Date: 4-27-2020  
Lea County, NM  
PI: 30-025-01574  
Incident ID: NRM2015541340

Legend

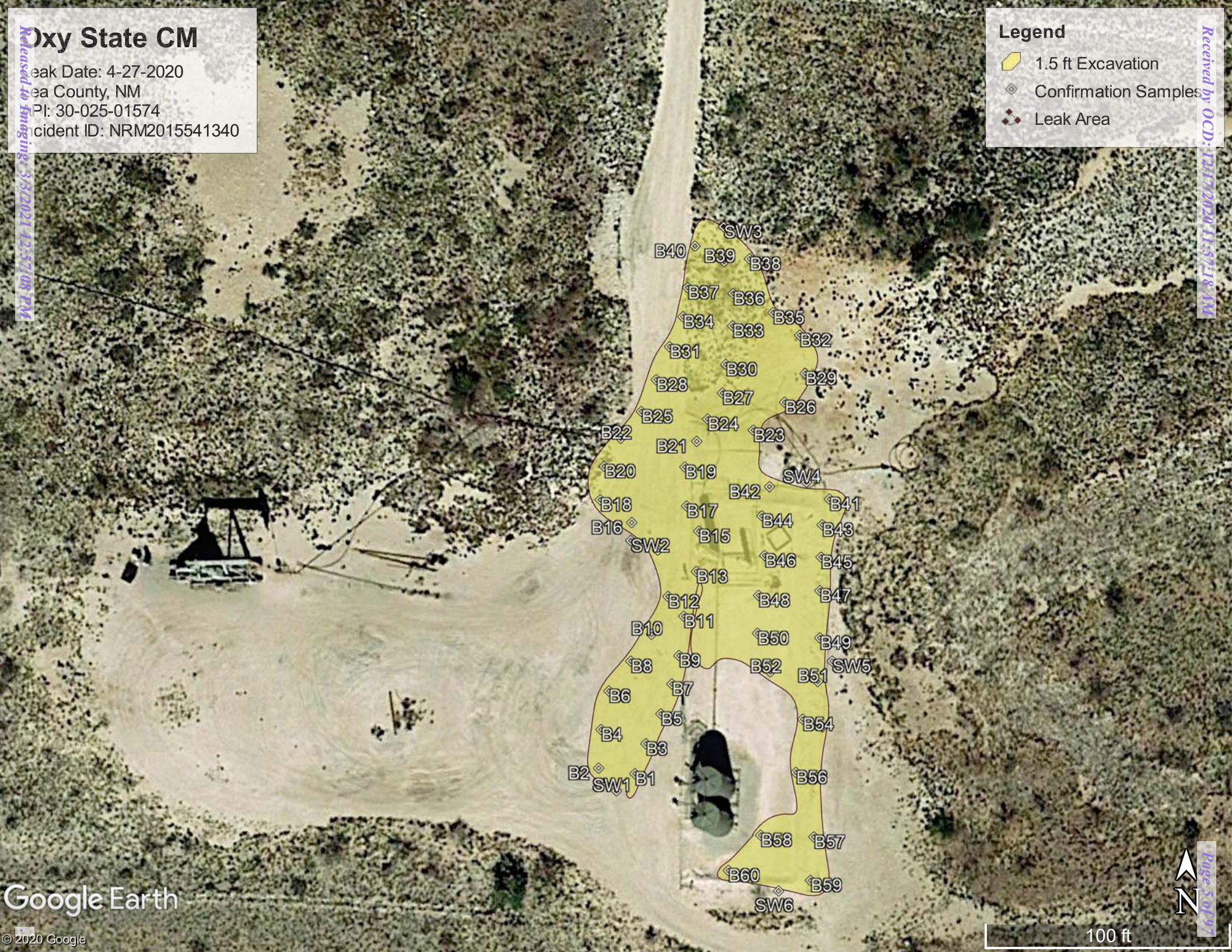
 1.5 ft Excavation

 Confirmation Samples

 Leak Area

Released to Imaging: 3/8/2021 12:57:08 PM

Received by OCD: 12/17/2020 11:57:18 AM





**Oxy, State CM Battery 4-27-20**

## Sample Points:

B1, N 32.78146, W -103.63085  
B2, N 32.78147, W -103.63089  
B3, N 32.78150, W -103.63083  
B4, N 32.78151, W -103.63089  
B5, N 32.78153, W -103.63081  
B6, N 32.78156, W -103.63088  
B7, N 32.78156, W -103.63080  
B8, N 32.78159, W -103.63085  
B9, N 32.78160, W -103.63079  
B10, N 32.78162, W -103.63082  
B11, N 32.78166, W -103.63080  
B12, N 32.78158, W -103.63067  
B13, N 32.78169, W -103.63076  
B14, N 32.78171, W -103.63081  
B15, N 32.78173, W -103.63076  
B16, N 32.78174, W -103.63085  
B17, N 32.78176, W -103.63078  
B18, N 32.78177, W -103.63089  
B19, N 32.78181, W -103.63078  
B20, N 32.78181, W -103.63089  
B21, N 32.78183, W -103.63076  
B22, N 32.78184, W -103.63086  
B23, N 32.78185, W -103.63069  
B24, N 32.78186, W -103.63075  
B25, N 32.78187, W -103.63084  
B26, N 32.78188, W -103.63065  
B27, N 32.78189, W -103.63073

B28, N 32.78190, W -103.63082  
B29, N 32.78191, W -103.63062  
B30, N 32.78192, W -103.63072  
B31, N 32.78194, W -103.63080  
B32, N 32.78195, W -103.63063  
B33, N 32.78196, W -103.63072  
B34, N 32.78197, W -103.63078  
B35, N 32.78198, W -103.63066  
B36, N 32.78200, W -103.63071  
B37, N 32.78201, W -103.63078  
B38, N 32.78204, W -103.63069  
B39, N 32.78203, W -103.63073  
B40, N 32.78205, W -103.63077  
B41, N 32.78177, W -103.63059  
B42, N 32.78178, W -103.63067  
B43, N 32.78174, W -103.63060  
B44, N 32.78175, W -103.63068  
B45, N 32.78171, W -103.63060  
B46, N 32.78171, W -103.63067  
B47, N 32.78167, W -103.63060  
B48, N 32.78166, W -103.63068  
B49, N 32.78162, W -103.63060  
B50, N 32.78162, W -103.63068  
B51, N 32.78157, W -103.63060  
B52, N 32.78158, W -103.63067  
B53, N 32.78152, W -103.63060

Oxy, State CM Battery **4-27-20**

Sample Points:

B54, N 32.78152, W -103.63062

B55, N 32.78146, W -103.63061

B56, N 32.78147, W -103.63063

B57, N 32.78139, W -103.63061

B58, N 32.78140, W -103.63068

B59, N 32.78134, W -103.63061

B60, N 32.78136, W -103.63072

SW1, N 32.78144, W -103.63087

SW2, N 32.78172, W -103.63085

SW3, N 32.78207, W -103.63073

SW4, N 32.78167, W -103.63076

SW5, N 32.78179, W -103.63062

SW6, N 32.78159, W -103.63058

SW7, N 32.78133, W -103.63065





















Laboratory Analytical Results Summary  
Oxy, State CM Battery (4-27-20)

		Sample ID	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
Analyte	Method	Date	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		448	384	240	144	224	368	352	352	352	352
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	68.9	41.4	28.7	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	24.7	11.8	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20
Analyte	Method	Date	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20	6/11/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		320	384	352	336	384	384	416	368	352	352
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		29.6	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
Analyte	Method	Date	6/11/20	6/11/20	6/11/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.114	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.173	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	0.621	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	0.908	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		528	496	400	432	480	432	528	240	240	192
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		119	158	56.1	391	51.7	47.0	8940	88.6	15.4	58.5
EXT DRO	TPH 8015M		47.7	67.2	30.2	128	22.0	22.3	2210	77.2	<10.0	43.4

		Sample ID	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40
Analyte	Method	Date	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		320	256	240	240	80.0	192	256	80.0	112	112
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	589	84.7	55.6	105	<10.0	47.2	<10.0	78.3	129
EXT DRO	TPH 8015M		<10.0	264	30.5	53.6	42.3	<10.0	19.7	<10.0	29.8	39.6

Laboratory Analytical Results Summary  
Oxy, State CM Battery (4-27-20)

		Sample ID	B41	B42	B43	B44	B45	B46	B47	B48	B49	B50
Analyte	Method	Date	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		96.0	336	416	416	448	400	304	352	288	368
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		15.0	13.9	12.7	<10.0	11.0	25.6	37.0	<10.0	<10.0	33.8
EXT DRO	TPH 8015M		10.8	<10.0	<10.0	<10.0	<10.0	16.3	28.9	<10.0	<10.0	25.9

		Sample ID	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60
Analyte	Method	Date	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20	6/12/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		208	208	256	240	336	224	288	448	256	272
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		46.1	46.1	144	139	150	72.9	<10.0	482	<10.0	<10.0
EXT DRO	TPH 8015M		40.1	34.7	119	93.0	150	56.4	<10.0	411	<10.0	<10.0

		Sample ID	SW1	SW2	SW3	SW4	SW5	SW6
Analyte	Method	Date	6/15/20	6/15/20	6/15/20	6/15/20	6/15/20	6/15/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		112	464	496	448	272	432
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		124	127	214	193	12.8	10.5
EXT DRO	TPH 8015M		131	75.0	187	143	10.1	<10.0



Laboratory Analytical Results Summary  
Oxy, State CM Battery (4-24-20)

		Sample ID	SP27A Bottom 3'
Analyte	Method	Date	7/24/20
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		368
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0



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---

June 17, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE CM BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/16/20 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 1 (H001593-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74	
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23	
Total BTEX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.3 % 42.2-156

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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 2 (H001593-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 3 (H001593-03)**

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	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	68.9	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	24.7	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 127 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 4 (H001593-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	41.4	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	11.8	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 5 (H001593-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	28.7	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 6 (H001593-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.3 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 7 (H001593-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 8 (H001593-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 9 (H001593-09)**

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	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/17/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 10 (H001593-10)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/16/2020	ND	1.78	89.1	2.00	2.74		
Toluene*	<0.050	0.050	06/16/2020	ND	1.83	91.6	2.00	3.01		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.90	94.9	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.50	91.7	6.00	3.23		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/17/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 11 (H001593-11)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	29.6	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.3 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 12 (H001593-12)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/17/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 13 (H001593-13)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/17/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.9 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 14 (H001593-14)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	06/17/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 15 (H001593-15)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 16 (H001593-16)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 17 (H001593-17)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 18 (H001593-18)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTEx	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 42.2-156

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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  
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 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 19 (H001593-19)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 20 (H001593-20)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTEX	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/17/2020	ND	216	108	200	3.20	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	225	112	200	5.03	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 21 (H001593-21)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	119	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	47.7	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 22 (H001593-22)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	158	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	67.2	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 137 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/11/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 23 (H001593-23)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	56.1	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	30.2	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 133 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 24 (H001593-24)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	391	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	128	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 151 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 25 (H001593-25)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	51.7	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	22.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 134 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 26 (H001593-26)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5		
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1		
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6		
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9		
Total BTEx	<0.300	0.300	06/16/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	47.0	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	22.3	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-144

Surrogate: 1-Chlorooctadecane 127 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 27 (H001593-27)**

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	06/17/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	0.114	0.050	06/17/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	0.173	0.050	06/17/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	0.621	0.150	06/17/2020	ND	5.10	85.0	6.00	13.9	
Total BTEX	0.908	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/17/2020	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
				S-06					

Surrogate: 1-Chlorooctane		112 %	44.3-144							
Surrogate: 1-Chlorooctadecane		433 %	42.2-156							

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 28 (H001593-28)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	88.6	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	77.2	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-144

Surrogate: 1-Chlorooctadecane 138 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 29 (H001593-29)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	15.4	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 132 % 42.2-156

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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  
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 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 30 (H001593-30)**

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	06/16/2020	ND	1.89	94.5	2.00	10.5	
Toluene*	<0.050	0.050	06/16/2020	ND	1.80	89.9	2.00	11.1	
Ethylbenzene*	<0.050	0.050	06/16/2020	ND	1.76	88.0	2.00	14.6	
Total Xylenes*	<0.150	0.150	06/16/2020	ND	5.10	85.0	6.00	13.9	
Total BTX	<0.300	0.300	06/16/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	58.5	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	43.4	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 127 % 44.3-144

Surrogate: 1-Chlorooctadecane 144 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 31 (H001593-31)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799		
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124		
Total BTEx	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	<10.0	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 32 (H001593-32)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	589	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	264	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 151 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 33 (H001593-33)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	84.7	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	30.5	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 126 % 44.3-144

Surrogate: 1-Chlorooctadecane 146 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 34 (H001593-34)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	208	104	200	8.30	
DRO >C10-C28*	55.6	10.0	06/16/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	53.6	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 137 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 35 (H001593-35)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	208	104	200	8.30	
DRO >C10-C28*	105	10.0	06/17/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	42.3	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 127 % 44.3-144

Surrogate: 1-Chlorooctadecane 146 % 42.2-156

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\*=Accredited Analyte

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 36 (H001593-36)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799		
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124		
Total BTEX	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	208	104	200	8.30	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-144

Surrogate: 1-Chlorooctadecane 135 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 37 (H001593-37)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799		
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124		
Total BTEx	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	208	104	200	8.30	
DRO >C10-C28*	47.2	10.0	06/17/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	19.7	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 135 % 44.3-144

Surrogate: 1-Chlorooctadecane 156 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 38 (H001593-38)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799		
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124		
Total BTEx	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/17/2020	ND	400	100	400	7.69		

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	06/17/2020	ND	208	104	200	8.30	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 39 (H001593-39)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/17/2020	ND	400	100	400	7.69		

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	06/17/2020	ND	208	104	200	8.30	
DRO >C10-C28*	78.3	10.0	06/17/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	29.8	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 133 % 44.3-144

Surrogate: 1-Chlorooctadecane 153 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 40 (H001593-40)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	208	104	200	8.30	
DRO >C10-C28*	129	10.0	06/17/2020	ND	222	111	200	8.18	
EXT DRO >C28-C36	39.6	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 128 % 44.3-144

Surrogate: 1-Chlorooctadecane 150 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 41 (H001593-41)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	15.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	10.8	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-144

Surrogate: 1-Chlorooctadecane 132 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 42 (H001593-42)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	13.9	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-144

Surrogate: 1-Chlorooctadecane 135 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 43 (H001593-43)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	12.7	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 131 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 44 (H001593-44)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 129 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 45 (H001593-45)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	11.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 132 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 46 (H001593-46)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	25.6	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	16.3	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 124 % 44.3-144

Surrogate: 1-Chlorooctadecane 134 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 47 (H001593-47)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	37.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	28.9	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 126 % 42.2-156

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**Analytical Results For:**

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 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 48 (H001593-48)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799		
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124		
Total BTEX	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 49 (H001593-49)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799		
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124		
Total BTEx	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	06/17/2020	ND	400	100	400	7.69		

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 50 (H001593-50)**

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	06/17/2020	ND	1.83	91.5	2.00	0.799	
Toluene*	<0.050	0.050	06/17/2020	ND	1.88	93.8	2.00	0.206	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.95	97.3	2.00	0.0128	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.67	94.5	6.00	0.124	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	33.8	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	25.9	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 51 (H001593-51)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	46.1	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	40.1	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-144

Surrogate: 1-Chlorooctadecane 135 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 52 (H001593-52)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	46.1	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	34.7	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 130 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 53 (H001593-53)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	144	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	119	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 136 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 54 (H001593-54)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17		
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09		
Total BTEx	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/17/2020	ND	400	100	400	7.69	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	139	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	93.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 121 % 42.2-156

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**Analytical Results For:**

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 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 55 (H001593-55)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	150	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	150	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 142 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 56 (H001593-56)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	72.9	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	56.4	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 135 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 57 (H001593-57)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 132 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 58 (H001593-58)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEx	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	482	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	411	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-144

Surrogate: 1-Chlorooctadecane 129 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 59 (H001593-59)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17		
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09		
Total BTEX	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 125 % 42.2-156

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**Analytical Results For:**

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

Received: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/12/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SP 60 (H001593-60)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/17/2020	ND	213	107	200	4.09	
DRO >C10-C28*	<10.0	10.0	06/17/2020	ND	227	114	200	4.33	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 136 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/15/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SW 1 (H001593-61)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	197	98.4	200	0.447	
DRO >C10-C28*	124	10.0	06/16/2020	ND	199	99.5	200	2.27	
EXT DRO >C28-C36	131	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 145 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/15/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SW 2 (H001593-62)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/16/2020	ND	197	98.4	200	0.447	
DRO >C10-C28*	127	10.0	06/16/2020	ND	199	99.5	200	2.27	
EXT DRO >C28-C36	75.0	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/15/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SW 3 (H001593-63)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	197	98.4	200	0.447	
DRO >C10-C28*	214	10.0	06/16/2020	ND	199	99.5	200	2.27	
EXT DRO >C28-C36	187	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 145 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/15/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SW 4 (H001593-64)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17		
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09		
Total BTEx	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/16/2020	ND	197	98.4	200	0.447	
DRO >C10-C28*	193	10.0	06/16/2020	ND	199	99.5	200	2.27	
EXT DRO >C28-C36	143	10.0	06/16/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 137 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/15/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SW 5 (H001593-65)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17	
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10	
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09	
Total BTEX	<0.300	0.300	06/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/17/2020	ND	416	104	400	3.77	

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	06/17/2020	ND	220	110	200	6.84	
DRO >C10-C28*	12.8	10.0	06/17/2020	ND	237	118	200	2.94	
EXT DRO >C28-C36	10.1	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 42.2-156

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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: 06/16/2020  
 Reported: 06/17/2020  
 Project Name: STATE CM BATTERY  
 Project Number: ( 4/24/20 )  
 Project Location: OXY - LEA CO NM

Sampling Date: 06/15/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Kelly Jacobson

**Sample ID: SW 6 (H001593-66)**

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	06/17/2020	ND	1.90	95.1	2.00	3.17		
Toluene*	<0.050	0.050	06/17/2020	ND	1.81	90.6	2.00	3.00		
Ethylbenzene*	<0.050	0.050	06/17/2020	ND	1.79	89.5	2.00	3.10		
Total Xylenes*	<0.150	0.150	06/17/2020	ND	5.19	86.5	6.00	3.09		
Total BTX	<0.300	0.300	06/17/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	06/17/2020	ND	416	104	400	3.77		

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	06/17/2020	ND	220	110	200	6.84	
DRO >C10-C28*	10.5	10.0	06/17/2020	ND	237	118	200	2.94	
EXT DRO >C28-C36	<10.0	10.0	06/17/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 42.2-156

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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.
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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



## 1 of 7

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**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

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

2 of 7

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																									
Project Manager: Cliff Brunson				P.O. #:																													
Address: P.O. Box 805				Company: OXY																													
City: Hobbs		State: NM Zip: 88241		Attn: WADE																													
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																													
Project #:		Project Owner: Oxy		City:																													
Project Name: State CM Battery (4-24-20)				State: Zip:																													
Project Location: Lea County, NM				Phone #:																													
Sampler Name: Simon Rendon				Fax #:																													
FOR LAB USE ONLY																																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																					
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		BTEX		TPH		EXT	
H001593		SP11		G		I																6/11/20		11:18 AM		✓		✓		✓			
12		SP12																				6/11/20		11:37 AM		✓		✓		✓			
13		SP13																				6/11/20		11:52 AM		✓		✓		✓			
14		SP14																				6/11/20		12:45 PM		✓		✓		✓			
15		SP15																				6/11/20		1:05 PM		✓		✓		✓			
16		SP16																				6/11/20		1:20 PM		✓		✓		✓			
17		SP17																				6/11/20		1:37 PM		✓		✓		✓			
18		SP18																				6/11/20		1:52 PM		✓		✓		✓			
19		SP19																				6/11/20		2:08 PM		✓		✓		✓			
20		SP20																				6/11/20		2:35 PM		✓		✓		✓			

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Relinquished By:		Date: 6-16-20		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 1515				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:  			
		Time:							
Delivered By: (Circle One) -3.6°C									
Sampler - UPS - Bus - Other:		#113		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 163			

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3 of 7

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Relinquished By: 		Date: 6-16-20	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: 1:15				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:  
		Time:		
Delivered By: (Circle One) -3.6i		Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: #113		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	143	

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 7

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																									
Project Manager: Cliff Brunson				P.O. #:																													
Address: P.O. Box 805				Company: OXY																													
City: Hobbs		State: NM		Zip: 88241		Attn: WADE																											
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																													
Project #:		Project Owner: Oxy		City:																													
Project Name: State CM Battery (4-24-20)				State:      Zip:																													
Project Location: Lea County, NM				Phone #:																													
Sampler Name: Simon Rendon				Fax #:																													
FOR LAB USE ONLY																																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)COMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																					
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE														OTHER :		ACID/BASE:		ICE / COOL		OTHER :	
H001593				G		I												I				6/12/20		10:22 AM		✓		✓		✓			
31		SP31																				6/12/20		10:43 AM		✓		✓		✓			
32		SP32																				6/12/20		11:03 AM		✓		✓		✓			
33		SP33																				6/12/20		11:16 AM		✓		✓		✓			
34		SP34																				6/12/20		11:32 AM		✓		✓		✓			
35		SP35																				6/12/20		11:48 AM		✓		✓		✓			
36		SP36																				6/12/20		12:05 PM		✓		✓		✓			
37		SP37																				6/12/20		12:46 PM		✓		✓		✓			
38		SP38																				6/12/20		1:05 PM		✓		✓		✓			
39		SP39																				6/12/20		1:17 PM		✓		✓		✓			
40		SP40																				6/12/20				✓		✓		✓			
<p>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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																	
Relinquished By:				Date: 6-16-20		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																			
Time: 1515								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																					
Relinquished By:				Date:		Received By:				REMARKS:																							
Time:										Rush																							
Delivered By: (Circle One) - 3.6c																																	
Sampler - UPS - Bus - Other:				#113		Sample Condition				CHECKED BY:																							
						Cool <input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials)																							
						Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				16.5																							

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

507

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: Cliff Brunson				P.O. #:																									
Address: P.O. Box 805				Company: OXY																									
City: Hobbs State: NM Zip: 88241				Attn: WADE																									
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																									
Project #: Project Owner: Oxy				City:																									
Project Name: State CM Battery (4-24-20)				State: Zip:																									
Project Location: Lea County, NM				Phone #:																									
Sampler Name: Simon Rendon				Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH EXT												
4001593																													
41	SP41	G	1										6/12/20	1:31 PM	✓	✓	✓												
42	SP42												6/12/20	1:45 PM	✓	✓	✓												
43	SP43												6/12/20	1:57 PM	✓	✓	✓												
44	SP44												6/12/20	2:12 PM	✓	✓	✓												
45	SP45												6/12/20	2:23 PM	✓	✓	✓												
46	SP46												6/12/20	2:40 PM	✓	✓	✓												
47	SP47												6/12/20	2:52 PM	✓	✓	✓												
48	SP48												6/12/20	3:05 PM	✓	✓	✓												
49	SP49												6/12/20	3:16 PM	✓	✓	✓												
50	SP50												6/12/20	3:32 PM	✓	✓	✓												

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Relinquished By:	Date: 6-16-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1:55		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Rush	
Delivered By: (Circle One) -3.6c				
Sampler - UPS - Bus - Other:	4113	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) h5	

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

6 of 7

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																
Project Manager: Cliff Brunson				P.O. #:																				
Address: P.O. Box 805				Company: OXY																				
City: Hobbs State: NM Zip: 88241				Attn: WADE																				
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																				
Project #: Project Owner: Oxy				City:																				
Project Name: State CM Battery (4-24-20)				State: Zip:																				
Project Location: Lea County, NM				Phone #:																				
Sampler Name: Simon Rendon				Fax #:																				
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH EXT							
H001593																								
51	SP51	G	-										6/12/20	1:31 PM	✓	✓	✓							
52	SP52												6/12/20	1:45 PM	✓	✓	✓							
53	SP53												6/12/20	1:57 PM	✓	✓	✓							
54	SP54												6/12/20	2:12 PM	✓	✓	✓							
55	SP55												6/12/20	2:23 PM	✓	✓	✓							
56	SP56												6/12/20	2:40 PM	✓	✓	✓							
57	SP57												6/12/20	2:52 PM	✓	✓	✓							
58	SP58												6/12/20	3:05 PM	✓	✓	✓							
59	SP59												6/12/20	3:16 PM	✓	✓	✓							
60	SP60												6/12/20	3:32 PM	✓	✓	✓							

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Relinquished By:	Date: 6-16-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1515		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		Rush	
Delivered By: (Circle One) -3.6c				
Sampler - UPS - Bus - Other:	Sample Condition	CHECKED BY: (Initials)		
	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	165		

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

7 of 7

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Cliff Brunson				P.O. #:																			
Address: P.O. Box 805				Company: OXY																			
City: Hobbs		State: NM		Zip: 88241		Attn: WADE																	
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:		City:																	
Project #:		Project Owner: Oxy		State:		Zip:																	
Project Name: State CM Battery (4-24-20)				Phone #:																			
Project Location: Lea County, NM				Fax #:																			
Sampler Name: Simon Rendon																							
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(GRAB OR (COMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER																	
						WASTEWATER																	
						SOIL																	
						OIL																	
						SLUDGE																	
						OTHER :																	
						ACID/BASE:																	
						ICE / COOL																	
						OTHER :																	
						DATE		TIME															
H0015413		SW1		G																			
61		SW2		G																			
62		SW3		G																			
63		SW4		G																			
64		SW5		G																			
65		SW6		G																			
66																							

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Relinquished By:		Date: 6-16-20		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 5:15						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
Time:									
Delivered By: (Circle One) -3.6°C				Sample Condition		CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:				Cool Intact		Rush			
				<input type="checkbox"/> Yes <input type="checkbox"/> No		HJ			

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---

July 28, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: STATE CM BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/27/20 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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: 07/27/2020  
 Reported: 07/28/2020  
 Project Name: STATE CM BATTERY  
 Project Number: NOT GIVEN  
 Project Location: OXY - LEA CO NM

Sampling Date: 07/24/2020  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 27A BOTTOM 3' (H001942-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2020	ND	1.79	89.7	2.00	8.74	
Toluene*	<0.050	0.050	07/27/2020	ND	1.80	90.2	2.00	9.02	
Ethylbenzene*	<0.050	0.050	07/27/2020	ND	1.82	91.1	2.00	8.36	
Total Xylenes*	<0.150	0.150	07/27/2020	ND	5.23	87.2	6.00	8.33	
Total BTEX	<0.300	0.300	07/27/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/27/2020	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*	<10.0	10.0	07/27/2020	ND	212	106	200	4.68	
DRO >C10-C28*	<10.0	10.0	07/27/2020	ND	256	128	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	07/27/2020	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.1 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

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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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New Mexico

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- **Notice** - The USGS Water Resources Mission Area's priority is to maintain the safety and well-being of our communities, including providing critical situational awareness in times of flooding in all 50 U.S. states and additional territories. Our hydrologic monitoring stations continue to send data in near real-time to NWISWeb, and we are continuing critical water monitoring activities to protect life and property on a case-by-case basis. The health and safety of the public and our employees are our highest priorities, and we continue to follow guidance from the White House, the CDC, and state and local authorities.
- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 324608103390801

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 324608103390801 18S.33E.03.34133

Lea County, New Mexico  
Latitude 32°46'17", Longitude 103°39'16" NAD27  
Land-surface elevation 4,013.00 feet above NGVD29  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1961-03-10		D	61.28			2		U		
1966-04-05		D	60.10			2		U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-04-28 18:09:31 EDT

0.92   0.29 nadww02



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
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 12501

**CONDITIONS OF APPROVAL**

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	12501	Action Type:	C-141
OCD Reviewer	Condition								
chensley	Closure report approved, OCD requires no further action at this time.								