



February 2, 2025

District Supervisor
Oil Conservation Division, District 2
506 W. Texas
Artesia, New Mexico 88210

**Re: Closure Request
J R Oil, Ltd. Co.
State CM #002 Heater Treater Release
Unit Letter B, Section 2, Township 18 South, Range 33 East
Lea County, New Mexico
Incident ID# nOY1803358243
1RP-4951**

Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contacted by JR Oil, Ltd. Co. (JR Oil) to evaluate a historical release from a tank battery associated with the State CM #002 well. This historical release was initially associated with OXY USA WTP Limited Partnership (Oxy), however, ownership of the well appears to have been transferred to J R Oil, Ltd. Co. in March, 2021. The release footprint is located in Public Land Survey System (PLSS) Unit Letter B, Section 2, Township 18 South, Range 33 East, in Lea County, New Mexico (Site). The initial C-141 lists the approximate geographic coordinates of the release point as 32.781635°, -103.631676°, but these coordinates are located in the pasture on the west-side of the lease pad. In a review of aerial imagery, oil-gas equipment is observed at this location. In review of the C-141, the geographic coordinates of the release point are inferred to at approximately 32.781705°, -103.630747°. The release location and approximate pad location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was discovered on January 22, 2018. The release occurred as a result of a malfunction with the PSV on the heater treater. Approximately 5 barrels (bbls) of crude oil and 10 (bbls) of produced water were released of which none were recovered. The release footprint was located in an earthen berm surrounding oil-gas equipment and a portion of the release exited the earthen berm. The approximate release extent is shown in Figure 3.

The NMOCD approved the initial C-141 on February 2, 2018, and subsequently assigned the release the Incident ID nOY1803358243 and the remediation permit (RP) number 1RP-4951. The initial C-141 form is included in Appendix A.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on land owned by a private, independent, party.

Tetra Tech

901 West Wall St., Suite 100, Midland, TX 79701

Tel 432.682.4559

Fax 432.682.3946

www.tetrattech.com

Closure Request
February 2, 2025

J R Oil, Ltd. Co.

SUBSEQUENT RELEASE AT STATE CM #002 BATTERY

The tank battery associated with the State CM #002 is an active facility. Since its inception, the battery has been subject to multiple releases. One such release post-dated the subject line incident nOY1803358243 (2018).

On April 27, 2020, a release of 30 bbls crude oil and 50 bbls produced water occurred due to, according to the C-141 for the incident, a bad gasket or back pressure. The release occurred within the tank battery facility berm and reportedly flowed outside the berm. Although the original C-141 was rejected, an approved C-141 is located on the NMOCD permitting website. Subsequently, incident ID NRM2015541340 was assigned to the April 27, 2020 release.

According to available information associated with incident NRM2015541340, BBC International Inc. (BBC) was contracted by the former operator (Oxy) to execute remedial work associated with incident ID NRM2015541340 (2020) at the State CM Battery. BBC submitted a closure report for incident NRM2015541340 to the NMOCD dated December 14, 2020. The closure report notes the request for closure as *"Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD."* Although the remediation plan is mentioned and reportedly approved, no records of the agreed upon remediation plan can be located on the NMOCD imaging website.

REMEDIAL ACTIVITIES AT THE STATE CM #002 BATTERY

According to the BBC Closure Report for incident NRM2015541340, BBC was onsite between May 5, 2020 and June 11, 2020 to execute remedial activities. The release extent was largely excavated to 1.5 feet below ground surface (bgs) and confirmation samples were collected on a 200 square foot basis. A total of sixty-seven (67) confirmation samples were collected and submitted to an accredited laboratory (Cardinal Laboratories in Hobbs, NM). Laboratory analytical data results associated with confirmation samples collected by BBC were below NMOCD Reclamation limits for chloride content. Dated photo documentation of the Site prior to, during, and after remedial activities is included in the BBC Closure Report. Per the NMOCD permitting website, the Remediation Closure Report was approved on March 3, 2021.

An inferred remedial extent was developed based on the figure in the BBC Closure Report and the included photographic documentation. The 2020 BBC remedial activities incorporated a total of sixty (60) confirmation samples from the interior of the remediated area, with another seven (7) sidewall samples collected from the excavation perimeter. The area of B27 did not meet the action levels proposed for the site, and this area was apparently excavated to 3' bgs, at which depth one additional sample was collected, and the analytical results were below the action levels for the Site.

Based on available information, the release extent from the subject line 2018 incident (NOY1803358243) was wholly contained within the BBC remedial extent associated with the 2020 incident (NRM2015541340). Figure 4 depicts the release extent from incident NOY1803358243 and the remedial extent from incident NRM2015541340. As such, remedial activities addressing incident NRM2015541340 addressed and duly remediated the previous release footprint of incident NOY1803358243.

CONCLUSION

Based on the age of the release, demonstrated remedial activities at the facility, and approved closure of the subsequent incident, J R Oil, Ltd. Co. respectfully requests closure for this subject line incident. It appears that the remedial activities conducted by BBC at the State CM #002 battery addressed multiple release incident footprints.

In closing, the release associated with the 2018 incident ID NOY1803358243 was volumetrically smaller than the subsequent 2020 incident ID NRM2015541340. The 2020 release was remediated, sampled, and documented by BBC, and closure was approved by the NMOCD.

Closure Request
February 2, 2025

J R Oil, Ltd. Co.

The release extent associated with the subject line 2018 incident ID NOY1803358243 was wholly contained within the subsequent 2020 release associated with incident ID NRM2015541340. The 2018 release extent boundaries were not located outside the 2020 release extent boundaries, which was excavated, sampled and backfilled with clean soils. As the 2018 release extent (and associated impacts) was entirely within the boundaries of the 2020 release extent (and remediated area), the 2020 remedial action and closure fulfills the closure requirements for the 2018 release.

The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remedial activities for the Site, please call me at (509) 768-2191.

Sincerely,
Tetra Tech, Inc.



Sam Chama, P.G.
Staff Geologist



Christian M. Llull, P.G.
Program Manager

Closure Request
February 2, 2025

J R Oil, Ltd. Co.

LIST OF ATTACHMENTS

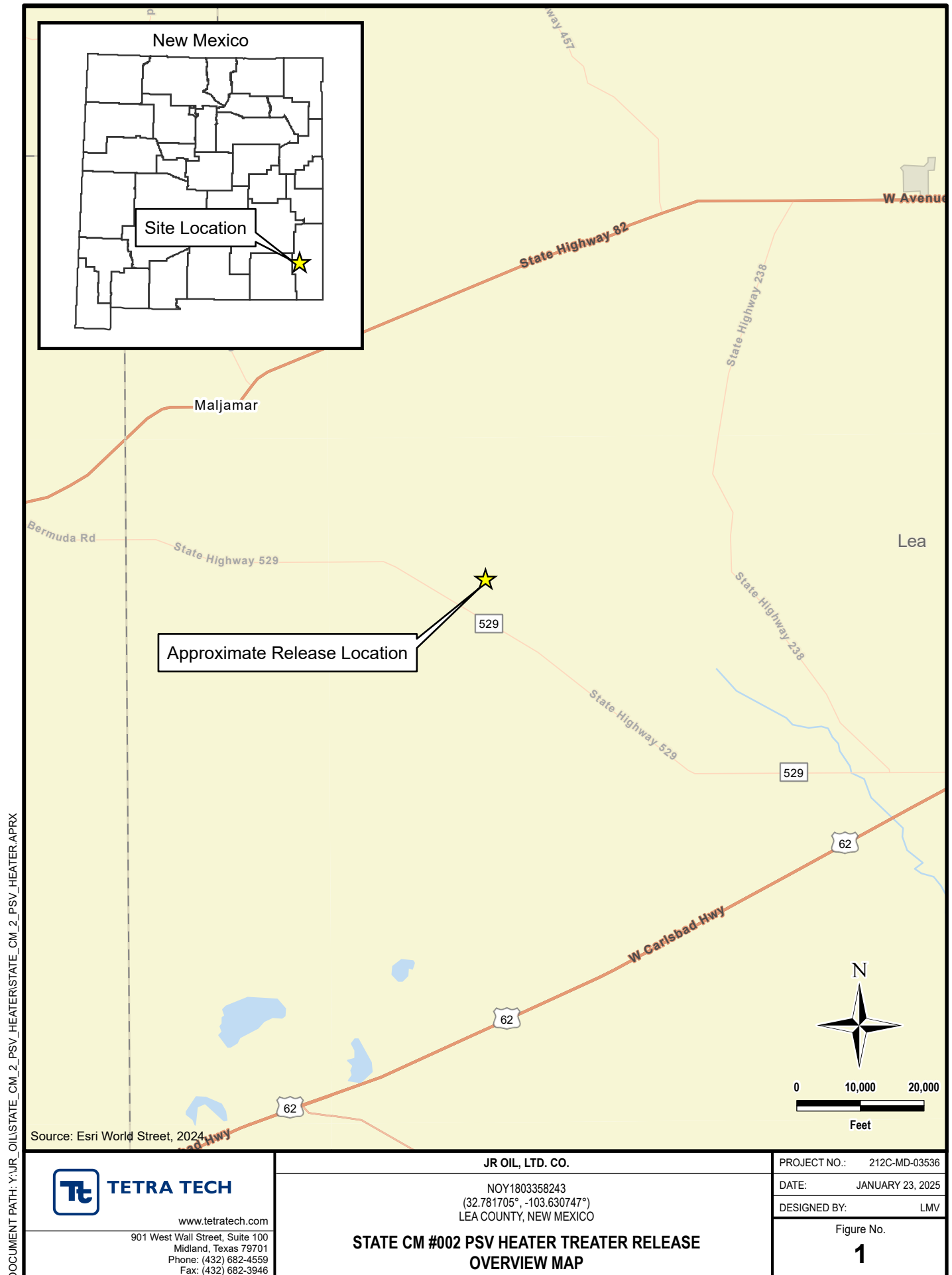
Figures:

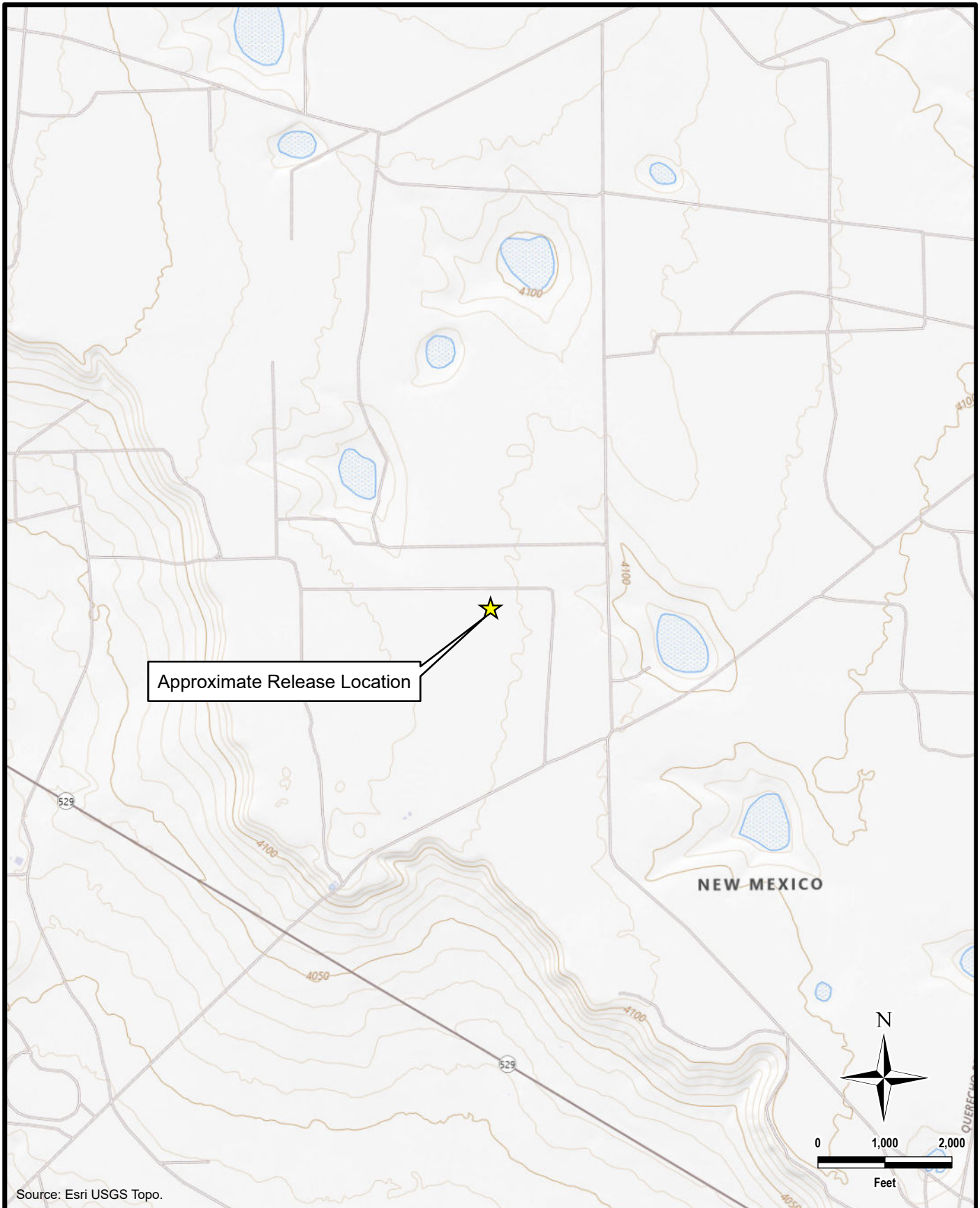
- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent
- Figure 4 – Inferred Remediation Extents

Appendices:

- Appendix A – C-141 Forms
- Appendix B – NRM2015541340 Closure Report

FIGURES





Source: Esri USGS Topo.



TETRA TECH

www.tetrattech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

JR OIL, LTD. CO.

NOY1803358243
(32.781705°, -103.630747°)
LEA COUNTY, NEW MEXICO

**STATE CM #002 PSV HEATER TREATER RELEASE
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-03536

DATE: JANUARY 23, 2025

DESIGNED BY: LMV

Figure No.

2

DOCUMENT PATH: Y:\JR_OIL\STATE_CM_2_PSV_HEATER\STATE_CM_2_PSV_HEATER.APPX



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JR OIL, LTD. CO.

NOY1803358243
(32.781705°, -103.630747°)
LEA COUNTY, NEW MEXICO

**STATE CM #002 PSV HEATER TREATER RELEASE
APPROXIMATE RELEASE EXTENT**

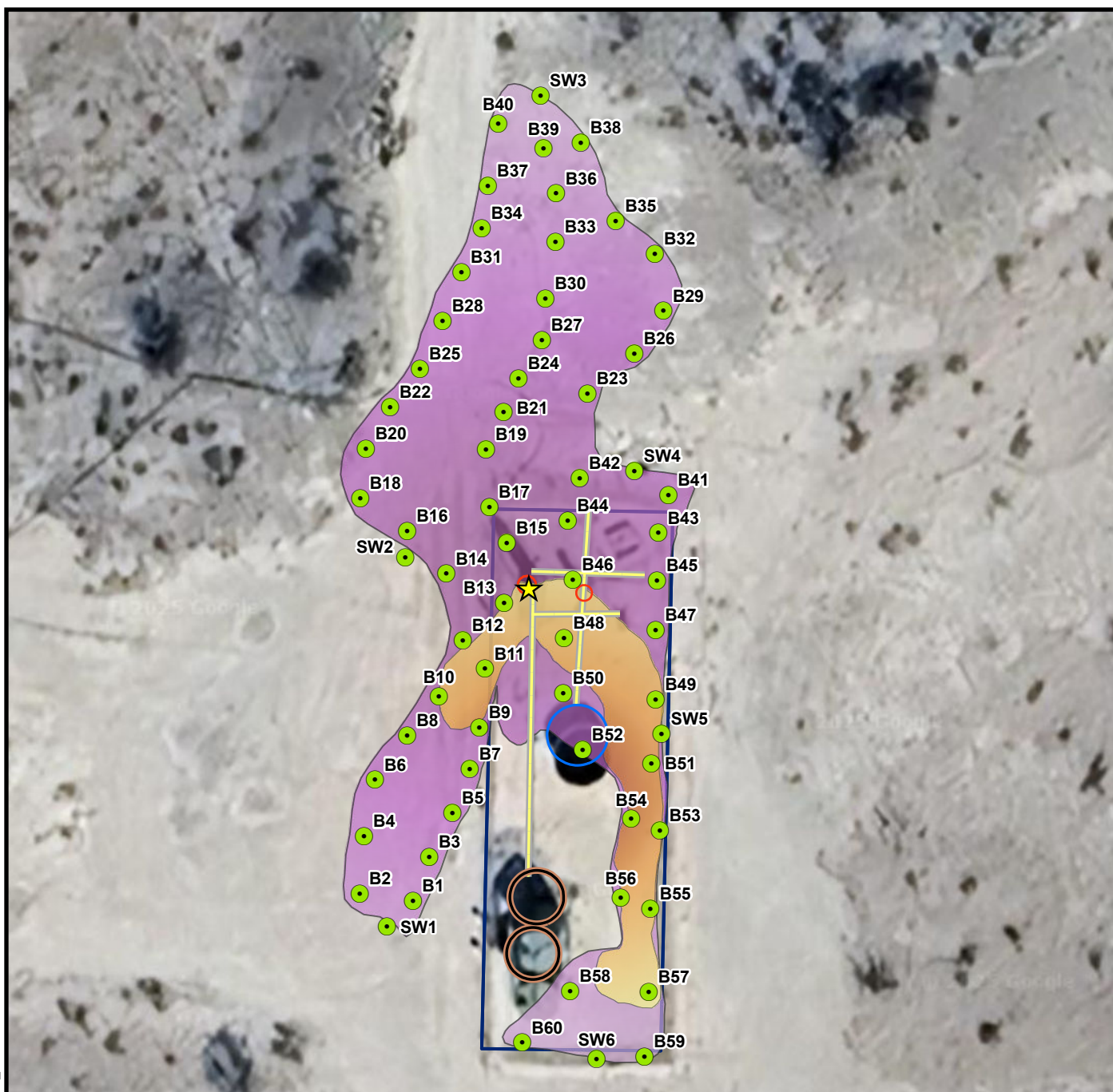
PROJECT NO.: 212C-MD-03536

DATE: JANUARY 23, 2025

DESIGNED BY: LMV

Figure No.

3



Legend

- ★ Approximate Release Point
- nRM2015541340 Approximate Confirmation Sample Locations (BBC 2020)
- nRM2015541340 Release Extent Approximate Remedial Extent (BBC 2020)
- Approximate Release Extent
- Tank Battery Berm
- Heater Treater
- Open-top Tank
- Tank
- Steel Surface Line

Source: Google Earth, 2023.



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Midland, Texas 79701
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JR OIL, LTD. CO.

NOY1803358243
(32.781705°, -103.630747°)
LEA COUNTY, NEW MEXICO

**STATE CM #002 PSV HEATER TREATER RELEASE
2020 BBC REMEDIAL ACTION**

PROJECT NO.: 212C-MD-03536

DATE: JANUARY 23, 2025

DESIGNED BY: LMV

Figure No.

4

DOCUMENT PATH: Y:\JR_OILSTATE_CM_2_PSV_HEATERSTATE_CM_2_PSV_HEATER.APRX

APPENDIX A C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR		☒ Initial Report	☐ Final Report
Name of Company	OXY USA INC	Contact	WADE DITTRICH
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-390-2828
Facility Name	STATE CM BATTERY	Facility Type	BATTERY
Surface Owner	Fee	Mineral Owner	STATE
		API No.	30-025-01574

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	2	18S	33E					LEA

Latitude 32.781635 Longitude -103.631676 NAD83

NATURE OF RELEASE

Type of Release	OIL & PRODUCED WATER	Volume of Release	5 bbls oil 10 bbls produced water	Volume Recovered	0 BBLS
Source of Release	Fluid came from PSV on heater treater	Date and Hour of Occurrence	01/22/2018	Date and Hour of Discovery	
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	OLIVIA YU-NMOCD; KENDA MONTOYA-SLO		
By Whom?	WADE DITTRICH	Date and Hour	1-22-2018 @ 3:26 PM		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 3:56 pm, Feb 02, 2018

Describe Cause of Problem and Remedial Action Taken.*

Spill was caused by PSV on heater treater. Issues was corrected and facility was returned to service.

Describe Area Affected and Cleanup Action Taken.*

The affected area is 40x100 FT, Leak did leave the location-leak is partially outside containment (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the SLO.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: WADE DITTRICH	Approved by Environmental Specialist: 	
Title: ENVIROMENTAL SPECIALIST	Approval Date: <u>2/2/2018</u>	Expiration Date:
E-mail Address: wade.dittrich@oxy.com	Conditions of Approval:	Attached ☒
Date: <u>2-1-18</u> Phone: 575-390-2828	<u>see attached directive</u>	

* Attach Additional Sheets If Necessary

1RP-4951

nOY1803358243

pOY1803358468

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 2/1/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-4951 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 3/2/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NOY1803358243
District RP	1RP-4951
Facility ID	
Application ID	

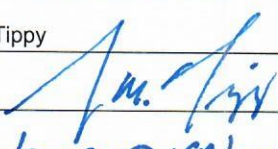
Closure

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: Joe Tippy Title: President
Signature:  Date: 1/29/2025
email: joe.tippy@valon.net.com Telephone: 575-390-1380

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B

NRM2015541340 Closure Report

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)

☒ Crude Oil	Volume Released (bbls) 30 BBLS	Volume Recovered (bbls) 25 BBLS
☒ 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?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ 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? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? THE RELEASE WAS GREATER THAN 25 BBLS
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? YES, WADE DITTRICH OF OXY, VIA EMAIL 4/29/20 TO MIKE BRATCHER, JIM GRISWOLD, VICTORIA VENEGAS & ROBERT HAMLET OF THE NMOCD	

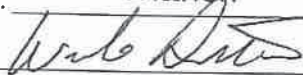
Initial Response*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- ☒ 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
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- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 8-18-20email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**Received by: Chad Hensley Date: 03/03/2021

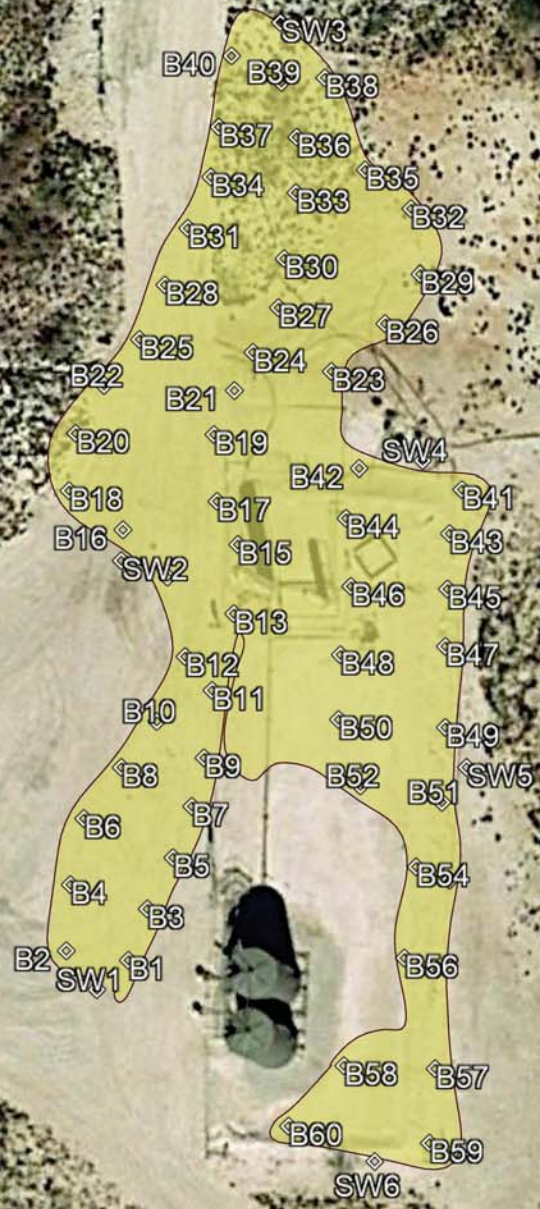
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by:  Date: 03/03/2021Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Oxy State CM
Peak Date: 4-27-2020
Area County, NM
PI: 30-025-01574
Incident ID: NRM2015541340

Legend

- 1.5 ft Excavation
- Confirmation Samples
- Leak Area



Released to Imaging: 2/3/2025 2:32:46 PM

Received by OCD: 2/2/2025 4:03:03 PM

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



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

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.

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



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 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, SM4500Cl-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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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 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, 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	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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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 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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Analytical Results For:

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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)

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	1.78	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 BTX	<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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Analytical Results For:

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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)

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	1.78	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 BTX	<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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Analytical Results For:

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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

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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: 06/11/2020
 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, 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 119 % 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:

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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 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, 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 123 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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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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)

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	1.78	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 BTX	<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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 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)

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) 96.8 % 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	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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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 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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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: 06/11/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 13 (H001593-13)

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	3.92		

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.
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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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Analytical Results For:

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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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Analytical Results For:

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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:

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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 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, 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	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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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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)

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, 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	3.77		

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:

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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)

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 113 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 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: 06/11/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 20 (H001593-20)

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 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 42.2-156

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Analytical Results For:

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 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: 06/11/2020
 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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 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
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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 23 (H001593-23)

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	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:

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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 24 (H001593-24)

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	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:

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 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, SM4500Cl-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



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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 26 (H001593-26)

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	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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 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 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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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 29 (H001593-29)

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	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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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 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
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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 31 (H001593-31)

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	1.83	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 BTX	<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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Analytical Results For:

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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)

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	1.83	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 BTX	<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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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 33 (H001593-33)

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	1.83	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 BTX	<0.300	0.300	06/17/2020	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	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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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 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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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, SM4500Cl-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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Celey D. Keene, Lab Director/Quality Manager



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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 36 (H001593-36)

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	1.83	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 BTX	<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	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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Cliff Brunson
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 Hobbs NM, 88241
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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, 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	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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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 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, SM4500Cl-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)

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	1.83	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 BTX	<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*	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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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:

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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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 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, SM4500Cl-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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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)

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	1.83	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 BTX	<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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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 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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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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, 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	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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 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)

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	1.83	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 BTX	<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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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 47 (H001593-47)

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	1.83	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 BTX	<0.300	0.300	06/17/2020	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	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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Celey D. Keene, Lab Director/Quality Manager



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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 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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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, SM4500Cl-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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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, 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	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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Analytical Results For:

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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, 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	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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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 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:

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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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 Hobbs NM, 88241
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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, 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	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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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 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, SM4500Cl-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:

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 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, SM4500CI-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:

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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 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:

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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, 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	3.77		

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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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:

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 60 (H001593-60)

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

Sample ID: SW 2 (H001593-62)

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	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)

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	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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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 4 (H001593-64)

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	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, 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	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)

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	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".

Celey D. Keene, Lab Director/Quality Manager



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1 of 7

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 7

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																	
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				G	1								6/11/20	11:18 AM	✓	✓	✓								
1		SP11											6/11/20	11:37 AM	✓	✓	✓								
2		SP12											6/11/20	11:52 AM	✓	✓	✓								
3		SP13											6/11/20	12:45 PM	✓	✓	✓								
4		SP14											6/11/20	1:05 PM	✓	✓	✓								
5		SP15											6/11/20	1:20 PM	✓	✓	✓								
6		SP16											6/11/20	1:37 PM	✓	✓	✓								
7		SP17											6/11/20	1:52 PM	✓	✓	✓								
8		SP18											6/11/20	2:08 PM	✓	✓	✓								
9		SP19											6/11/20	2:35 PM	✓	✓	✓								
20		SP20											6/11/20		✓	✓	✓								

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Relinquished By:		Date: 6-16-20	Received By:		Phone Result: ☐ Yes ☐ No	Add'l Phone #:
		Time: 1515			Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:			Rush	
Delivered By: (Circle One) -3.6°C		Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)		
		☒ Yes ☐ No ☒ Yes ☐ No		163		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 7

Company Name: BBC International, Inc.				BILL TO										ANALYSIS REQUEST																							
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		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		CL		BTEX		TPH		EXT	
H001593				G		1						1										1				6/11/20		2:51 PM		✓		✓		✓			
21		SP21																								6/11/20		3:11 PM		✓		✓		✓			
22		SP22																								6/11/20		3:23 PM		✓		✓		✓			
23		SP23																								6/12/20		8:45 AM		✓		✓		✓			
24		SP24																								6/12/20		8:54 AM		✓		✓		✓			
25		SP25																								6/12/20		9:06 AM		✓		✓		✓			
26		SP26																								6/12/20		9:21 AM		✓		✓		✓			
27		SP27																								6/12/20		9:34 AM		✓		✓		✓			
28		SP28																								6/12/20		9:49 AM		✓		✓		✓			
29		SP29																								6/12/20		10:03 AM		✓		✓		✓			
30		SP30																								6/12/20		10:03 AM		✓		✓		✓			

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Relinquished By:		Date: 6-16-20		Received By:		Phone Result: ☐ Yes ☐ No		Add'l Phone #:	
[Signature]		Time: 1:51		[Signature]		Fax Result: ☐ Yes ☐ No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One) -3.62				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other:				Cool Intact		(Initials)			
				☒ Yes ☐ No		143			
				☐ No ☐ No					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

507

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																					
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: ☐ Yes ☐ No	Add'l Phone #:
	Time: 1:55		Fax Result: ☐ Yes ☐ 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 ☐ Yes ☐ No	CHECKED BY: (Initials) hs	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 of 7

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																
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: ☐ Yes ☐ No	Add'l Phone #:
	Time: 1515		Fax Result: ☐ Yes ☐ 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:		
	Cool Intact	(Initials)		
	☐ Yes ☐ No	165		

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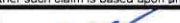
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7 of 7

[illegible]

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Relinquished By: 		Date: 6-16-20 Time: 5:15		Received By: 		Phone Result: ☐ Yes ☐ No Add'l Phone #: _____ Fax Result: ☐ Yes ☐ No Add'l Fax #: _____ REMARKS:	
Relinquished By:		Date: _____ Time: _____		Received By:		Rush	
Delivered By: (Circle One) -3.6°C Sampler - UPS - Bus - Other:		Sample Condition Cool Intact ☒ Yes ☐ No ☐ Yes ☐ No ☐ No ☐ No		CHECKED BY: (Initials) 			
#113							

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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received: 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

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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

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

Celey D. Keene, Lab Director/Quality Manager



• CARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: 		Date: 7/27/20	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:
Time: 8:45 AM				Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Relinquished By: 		Date: 7/27/20	Received By: 	REMARKS:	
Time: 12:45 PM					
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: -5.0°C / #113		Cool ☒ Intact ☒ ☐ Yes ☐ No ☐ Yes ☐ No			

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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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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](#)
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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

Table of data
Tab-separated data
Graph of data
Reselect period

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

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District II
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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.								

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 427345

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 427345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1803358243
Incident Name	NOY1803358243 STATE CM #002 BATTERY @ 30-025-01574
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-01574] STATE CM #002

Location of Release Source

Please answer all the questions in this group.

Site Name	State CM #002 Battery
Date Release Discovered	01/22/2018
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Treating Tower Crude Oil Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Treating Tower Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 427345

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 427345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 02/02/2025
--	---

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QUESTIONS, Page 3

Action 427345

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID:
	256073
	Action Number:
	427345
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	528
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	11150
GRO+DRO (EPA SW-846 Method 8015M)	8990
BTEX (EPA SW-846 Method 8021B or 8260B)	0.9
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	05/05/2020
On what date will (or did) the final sampling or liner inspection occur	06/11/2020
On what date will (or was) the remediation complete(d)	06/11/2020
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2309
What is the estimated volume (in cubic yards) that will be remediated	128
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 427345

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 427345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 02/02/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 427345

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 427345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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State of New Mexico
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Oil Conservation Division
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QUESTIONS, Page 6

Action 427345

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 427345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	427344
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/11/2020
What was the (estimated) number of samples that were to be gathered	66
What was the sampling surface area in square feet	2309

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2309
What was the total volume (cubic yards) remediated	128
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	NMOCD approved remediation closure of a coincident release addressed subject incident release extent.
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetrattech.com Date: 02/02/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 427345

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 427345
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 427345

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	2/3/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	2/3/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	2/3/2025