

Closure Report

Incident ID: NVV2003150585

Site Description

Site Name:	Pluma 29 St 1 Battery
Company:	Oxy, Permian
Legal Description:	U/L G, Section 29, T15S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.98872 W -103.73677

Release Data

Date of Release:	1/2/2020
Type of Release:	Oil & Produced water
Source of Release:	Fire tube gasket failure
Volume of Release:	135 bbls oil/3 bbls produced water
Volume Recovered:	25 bbls oil/0 produced water

Remediation Specifications

Remediation Parameters:	Leak areas SP1, SP5, & SP6 were excavated to a 2 foot depth, SP2 & SP7 to a depth of 1 foot and SP3 to a depth of 5 feet. SP4 was excavated to a depth of 3 feet. Confirmation samples were collected every 75 feet and sidewall samples collected no greater than 200 ft2.
Remediation Activities:	1/5/2021 through 1/27/2021

Plan Sent to OCD:	7/29/2020	
OCD Approval of Plan:	8/28/2020	Email from Victoria Venegas to Wade Dittrich with conditions
Plan Sent to SLO:	7/29/2020	Email from Cliff Brunson to Ryan Mann
SLO Approval of Plan:		

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 1/15/21	
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.

3/5/2021

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	NVV2003150585
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 32.988722 Longitude -103.736777
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	PLUMA 29 ST. 1 BATTERY	Site Type	BATTERY
Date Release Discovered	01/02/2020	API# (if applicable)	30-025-34517

Unit Letter	Section	Township	Range	County
G	29	15S	32E	LEA

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 135 BBLS	Volume Recovered (bbls) 25 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 3 BBLS	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

FIRE TUBE GASKET FAILURE

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State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? 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, BY WADE DITTRICH, TO EMNRD OCD, 01/06/2020 VIA EMAIL	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Wade Dittrich</u> Signature: <u></u> email: <u>wade_dittrich@oxy.com</u>	Title: <u>Environmental Coordinator</u> Date: <u>1-6-20</u> Telephone: <u>(575) 390-2828</u>
<u>OCD Only</u> Received by: <u>Victoria Venegas</u> Date: <u>01/31/2020</u>	

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Oil Conservation Division

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Closure

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 2-9-2021email: wade_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**Received by: Chad Hensley Date: 03/31/2021

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: 03/31/2021Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Oxy Pluma 29 St 1 Battery

Leak Date: 1-2-2020
Lea County, NM
API: 30-025-34517
Incident ID: NVV2003150585

Legend

1' Excavation

2' Excavation

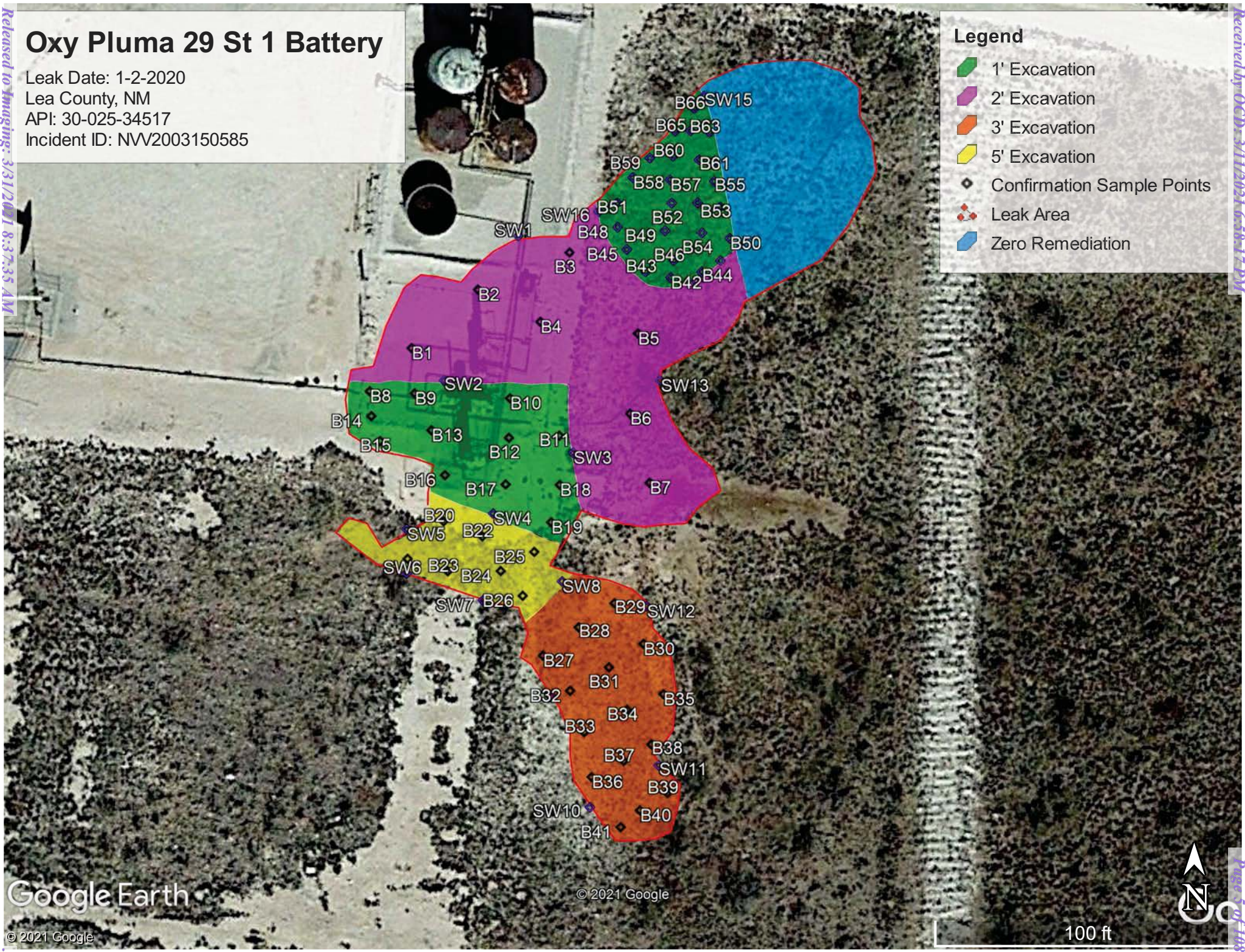
3' Excavation

5' Excavation

Confirmation Sample Points

Leak Area

Zero Remediation



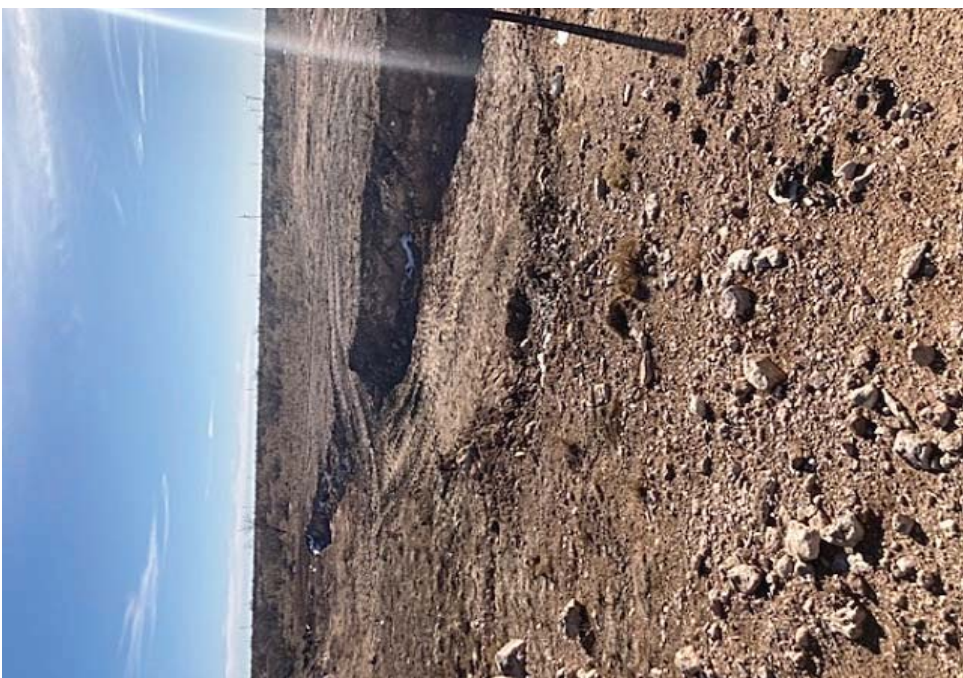
Oxy, Pluma 29 St. 1 Battery (1-2-20)

Confirmation Sample points

B1, N 32.98877 W-103.73684	B26, N 32.98855 W-103.73672
B2, N 32.98882 W-103.73676	B27, N 32.98849 W-103.73670
B3, N 32.98885 W-103.73667	B28, N 32.98852 W-103.73666
B4, N 32.98879 W-103.73670	B29, N 32.98854 W-103.73662
B5, N 32.98878 W-103.73659	B30, N 32.98850 W-103.73659
B6, N 32.98871 W-103.73660	B31, N 32.98848 W-103.73662
B7, N 32.98865 W-103.73658	B32, N 32.98846 W-103.73667
B8, N 32.98873 W-103.73688	B33, N 32.98842 W-103.73665
B9, N 32.98873 W-103.73683	B34, N 32.98844 W-103.73661
B10, N 32.98872 W-103.73673	B35, N 32.98846 W-103.73657
B11, N 32.98869 W-103.73668	B36, N 32.98838 W-103.73664
B12, N 32.98869 W-103.73673	B37, N 32.98840 W-103.73661
B13, N 32.98869 W-103.73681	B38, N 32.98841 W-103.73658
B14, N 32.98871 W-103.73688	B39, N 32.98837 W-103.73656
B15, N 32.98868 W-103.73687	B40, N 32.98835 W-103.73659
B16, N 32.98865 W-103.73680	B41, N 32.98834 W-103.73661
B17, N 32.98864 W-103.73674	B42, N 32.98883 W-103.73656
B18, N 32.98864 W-103.73668	B43, N 32.98884 W-103.73659
B19, N 32.98861 W-103.73669	B44, N 32.98884 W-103.73653
B20, N 32.98861 W-103.73680	B45, N 32.98886 W-103.73661
B21, N 32.98858 W-103.73684	B46, N 32.98885 W-103.73656
B22, N 32.98860 W-103.73676	B47, N 32.98885 W-103.73651
B23, N 32.98857 W-103.73680	B48, N 32.98888 W-103.73662
B24, N 32.98857 W-103.73674	B49, N 32.98887 W-103.73656
B25, N 32.98858 W-103.73670	B50, N 32.98887 W-103.73650

B51, N 32.98890 W-103.73662
B52, N 32.98890 W-103.73656
B53, N 32.98889 W-103.73651
B54, N 32.98887 W-103.73653
B55, N 32.98891 W-103.73651
B56, N 32.98892 W-103.73652
B57, N 32.98892 W-103.73656
B58, N 32.98892 W-103.73660
B59, N 32.98894 W-103.73658
B60, N 32.98894 W-103.73656
B61, N 32.98893 W-103.73653
B62, N 32.98894 W-103.73651
B63, N 32.98896 W-103.73652
B64, N 32.98896 W-103.73654
B65, N 32.98896 W-103.73655
B66, N 32.98898 W-103.73653

SW1 N 32.98887 W-103.73672
SW2 N 32.98874 W-103.73680
SW3 N 32.98867 W-103.73666
SW4 N 32.98862 W-103.73675
SW5 N 32.98860 W-103.73684
SW6 N 32.98856 W-103.73684
SW7 N 32.98852 W-103.73672
SW8 N 32.98856 W-103.73667
SW9 N 32.98847 W-103.73670
SW10 N 32.98836 W-103.73665
SW11 N 32.98839 W-103.73657
SW12 N 32.98854 W-103.73658
SW13 N 32.98874 W-103.73657
SW14 N 32.98883 W-103.73653
SW15 N 32.98899 W-103.73652
SW16 N 32.98889 W-103.73664





Released to Imaging: 3/31/2021 8:37:35 AM

[illegible]

Laboratory Analytical Results Summary
Oxy, Pluma 29 St 1 Battery (1-02-20)

		Sample ID	B41	B42	B43	B44	B45	B46	B47	B48	B49	B50
Analyte	Method	Date	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21
			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		<16.0	16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
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	<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	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60
Analyte	Method	Date	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21
			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		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	32.0	16.0	16.0	<16.0
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	<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	B61	B62	B63	B64	B65	B66
Analyte	Method	Date	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21
			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		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<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

		Sample ID	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8	SW9	SW10
Analyte	Method	Date	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21
			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		<16.0	<16.0	<16.0	16.0	16.0	<16.0	<16.0	<16.0	<16.0	<16.0
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	<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

Laboratory Analytical Results Summary
Oxy, Pluma 29 St 1 Battery (1-02-20)

		Sample ID	SW11	SW12	SW13	SW14	SW15	SW16
Analyte	Method	Date	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21	1/15/21
			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		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<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



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

January 19, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLUMA 29 STATE #001

Enclosed are the results of analyses for samples received by the laboratory on 01/18/21 8:00.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 1 (H210102-01)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	32.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 2 (H210102-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.8 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 3 (H210102-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 4 (H210102-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 5 (H210102-05)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 6 (H210102-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTEx	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 7 (H210102-07)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 8 (H210102-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 9 (H210102-09)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTEx	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 10 (H210102-10)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 11 (H210102-11)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.6 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 12 (H210102-12)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 13 (H210102-13)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.3 % 42.2-156

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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 14 (H210102-14)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 15 (H210102-15)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 16 (H210102-16)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 17 (H210102-17)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.0 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 18 (H210102-18)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.3 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 19 (H210102-19)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 20 (H210102-20)

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	01/18/2021	ND	1.96	97.8	2.00	11.6		
Toluene*	<0.050	0.050	01/18/2021	ND	1.94	97.2	2.00	11.7		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	1.86	92.9	2.00	12.9		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.44	90.7	6.00	12.3		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2021	ND	240	120	200	1.56	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	223	112	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 21 (H210102-21)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.7 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 22 (H210102-22)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.8 % 42.2-156

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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 23 (H210102-23)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 24 (H210102-24)

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	01/18/2021	ND	2.05	102	2.00	3.86		
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.8 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 25 (H210102-25)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 26 (H210102-26)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.9 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 27 (H210102-27)

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	01/18/2021	ND	2.05	102	2.00	3.86		
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53		
Total BTEx	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.0 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 28 (H210102-28)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 29 (H210102-29)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 30 (H210102-30)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 31 (H210102-31)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 32 (H210102-32)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 33 (H210102-33)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 34 (H210102-34)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.3 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 35 (H210102-35)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 36 (H210102-36)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86		
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53		
Total BTEx	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.8 % 42.2-156

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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 37 (H210102-37)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 95.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.9 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 38 (H210102-38)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 39 (H210102-39)

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	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 40 (H210102-40)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.05	102	2.00	3.86	
Toluene*	<0.050	0.050	01/18/2021	ND	2.07	104	2.00	3.32	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	102	2.00	3.61	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.29	105	6.00	2.53	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	232	116	200	0.500	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	0.875	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 41 (H210102-41)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/18/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 42 (H210102-42)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/18/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/18/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.2 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 43 (H210102-43)

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	01/18/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/18/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.9 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 44 (H210102-44)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/18/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 45 (H210102-45)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.11	106	2.00	4.68	
Toluene*	<0.050	0.050	01/18/2021	ND	2.12	106	2.00	5.08	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.10	105	2.00	5.36	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.48	108	6.00	5.29	
Total BTX	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 46 (H210102-46)

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	01/18/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/18/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 47 (H210102-47)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTEx	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 48 (H210102-48)

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	01/19/2021	ND	2.11	106	2.00	4.68	
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36	
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29	
Total BTEx	<0.300	0.300	01/19/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 49 (H210102-49)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 85.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 50 (H210102-50)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 51 (H210102-51)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.2 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 52 (H210102-52)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 53 (H210102-53)

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	01/19/2021	ND	2.11	106	2.00	4.68	
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36	
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29	
Total BTEx	<0.300	0.300	01/19/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.0 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 54 (H210102-54)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.3 % 42.2-156

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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 55 (H210102-55)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.8 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 56 (H210102-56)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.2 % 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:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 57 (H210102-57)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.0 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 58 (H210102-58)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTX	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.3 % 42.2-156

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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 59 (H210102-59)

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	01/19/2021	ND	2.11	106	2.00	4.68		
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29		
Total BTEx	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.8 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 60 (H210102-60)

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	01/19/2021	ND	2.11	106	2.00	4.68	
Toluene*	<0.050	0.050	01/19/2021	ND	2.12	106	2.00	5.08	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	5.36	
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.48	108	6.00	5.29	
Total BTX	<0.300	0.300	01/19/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	236	118	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	245	123	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 61 (H210102-61)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 92.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.3 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 62 (H210102-62)

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	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTEx	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 63 (H210102-63)

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	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTEx	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.9 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 64 (H210102-64)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTEx	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/18/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/18/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/18/2021	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 65 (H210102-65)

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	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTEx	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: BOTTOM 66 (H210102-66)

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	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTEx	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SIDEWALL 1 (H210102-67)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.3 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 2 (H210102-68)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 3 (H210102-69)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.3 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 4 (H210102-70)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.5 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 5 (H210102-71)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTEx	<0.300	0.300	01/18/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.0 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 6 (H210102-72)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.3 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 7 (H210102-73)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTX	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.8 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 8 (H210102-74)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 9 (H210102-75)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912		
Total BTEx	<0.300	0.300	01/18/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.1 % 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: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 10 (H210102-76)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTX	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 11 (H210102-77)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTX	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.5 % 42.2-156

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 12 (H210102-78)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTX	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 13 (H210102-79)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTX	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.9 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 14 (H210102-80)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2021	ND	2.09	104	2.00	0.0870	
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	0.0331	
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.03	101	2.00	0.145	
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.94	98.9	6.00	0.0912	
Total BTEX	<0.300	0.300	01/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	01/18/2021	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	01/19/2021	ND	234	117	200	0.927	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	248	124	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.3 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/18/2021	Sampling Date:	01/15/2021
Reported:	01/19/2021	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SIDEWALL 15 (H210102-81)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	1.20		
Toluene*	<0.050	0.050	01/18/2021	ND	2.08	104	2.00	1.19		
Ethylbenzene*	<0.050	0.050	01/18/2021	ND	2.01	101	2.00	1.63		
Total Xylenes*	<0.150	0.150	01/18/2021	ND	5.90	98.4	6.00	1.55		
Total BTX	<0.300	0.300	01/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	247	124	200	2.57	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	244	122	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.8 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/19/2021
 Project Name: PLUMA 29 STATE #001
 Project Number: BATTERY
 Project Location: OXY - MALJAMAR

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 16 (H210102-82)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.20		
Toluene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	1.19		
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.01	101	2.00	1.63		
Total Xylenes*	<0.150	0.150	01/19/2021	ND	5.90	98.4	6.00	1.55		
Total BTEx	<0.300	0.300	01/19/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/18/2021	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	01/19/2021	ND	247	124	200	2.57	
DRO >C10-C28*	<10.0	10.0	01/19/2021	ND	244	122	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	01/19/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.0 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

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 black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 9

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: Cliff Brunson				P.O. #:																			
Address: P.O. Box 805				Company:																			
City: Hobbs		State: NM Zip: 88241		Attn:																			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																			
Project #:		Project Owner: Oxy		City:																			
Project Name: Pluma 29 ST 1 BATT				State:				Zip:															
Project Location:				Phone #:																			
Sampler Name: Roger Hernandez				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												
H210102																							
1	BOTTOM	G-1			✓			✓		1-15-21	800	✓	✓	✓									
2	BOTTOM	G-1			✓			✓		1-15-21	810	✓	✓	✓									
3	BOTTOM	G-1			✓			✓		1-15-21	820	✓	✓	✓									
4	BOTTOM	G-1			✓			✓		1-15-21	830	✓	✓	✓									
5	BOTTOM	G-1			✓			✓		1-15-21	840	✓	✓	✓									
6	BOTTOM	G-1			✓			✓		1-15-21	850	✓	✓	✓									
7	BOTTOM	G-1			✓			✓		1-15-21	900	✓	✓	✓									
8	BOTTOM	G-1			✓			✓		1-15-21	910	✓	✓	✓									
9	BOTTOM	G-1			✓			✓		1-15-21	920	✓	✓	✓									
10	BOTTOM	G-1			✓			✓		1-15-21	930	✓	✓	✓									

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Relinquished By: <i>Roger Hernandez</i>	Date: 1-18-21	Received By: <i>Laura Aldrete</i>	Phone Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
	Time: 8:00		Fax Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: <div style="font-size: 2em; font-family: cursive;">RUSH!</div>		
	Time:				

Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5-5¢ #113	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>JH</i>
--	--	--

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



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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 9

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																																	
Project Manager: Cliff Brunson				P.O. #:				<div>TPH</div> <div>BTEX</div> <div>EXT</div> <div>CL-</div>																																	
Address: P.O. Box 805				Company:																																					
City: Hobbs State: NM Zip: 88241				Attn:																																					
Phone #: 575-397-6388 Fax #: 575-397-0397				Address: OXY																																					
Project #: Project Owner: OXY				City:																																					
Project Name: Pluma 29 ST 1 BAT				State: Zip:																																					
Project Location:				Phone #:																																					
Sampler Name: Roger Hernandez				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													
H210102																																									
11		Bottom		11		G						✓								✓						1.15.21		940		✓											
12		Bottom		12		G						✓								✓						1.15.21		950		✓											
13		Bottom		13		G						✓								✓						1.15.21		1000		✓											
14		Bottom		14		G						✓								✓						1.15.21		1010		✓											
15		Bottom		15		G						✓								✓						1.15.21		1020		✓											
16		Bottom		16		G						✓								✓						1.15.21		1030		✓											
17		Bottom		17		G						✓								✓						1.15.21		1040		✓											
18		Bottom		18		G						✓								✓						1.15.21		1050		✓											
19		Bottom		19		G						✓								✓						1.15.21		1000		✓											
20		Bottom		20		G						✓								✓						1.15.21		1010		✓											
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																									
Relinquished By: Roger Hernandez				Date: 1.18.21		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																											
				Time: 0800						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																											
Relinquished By:				Date:		Received By:				REMARKS:																															
				Time:																																					
Delivered By: (Circle One)						Sample Condition						CHECKED BY:																													
Sampler - UPS - Bus - Other:						Cool Intact						(Initials)																													
5.5e #113						<input type="checkbox"/> Yes <input type="checkbox"/> No						[Signature]																													

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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

349

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">EXT</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL-</div> </div>													
Address: P.O. Box 805				Company:																	
City: Hobbs State: NM Zip: 88241				Attn:																	
Phone #: 575-397-6388 Fax #: 575-397-0397				Address: Oxy																	
Project #: Project Owner: Oxy				City:																	
Project Name: Pluma 2a ST 1 BAT				State: Zip:																	
Project Location:				Phone #:																	
Sampler Name: Roger Hernandez				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME								
H210102																					
31	Bottom	21	G	1	✓				✓			1.15.21	1020	✓	✓	✓					
22	Bottom	22	G	1	✓				✓			1.15.21	1030	✓	✓	✓					
23	Bottom	23	G	1	✓				✓			1.15.21	1040	✓	✓	✓					
24	Bottom	24	G	1	✓				✓			1.15.21	1100	✓	✓	✓					
25	Bottom	25	G	1	✓				✓			1.15.21	1110	✓	✓	✓					
26	Bottom	26	G	1	✓				✓			1.15.21	1120	✓	✓	✓					
27	Bottom	27	G	1	✓				✓			1.15.21	1130	✓	✓	✓					
28	Bottom	28	G	1	✓				✓			1.15.21	1140	✓	✓	✓					
29	Bottom	29	G	1	✓				✓			1.15.21	1150	✓	✓	✓					
30	Bottom	30	G	1	✓				✓			1.15.21	1200	✓	✓	✓					

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Relinquished By:	Date:	Received By:	Phone Result:	Yes	No	Add'l Phone #:
Roger Hernandez	1.18.21	Jamara Aldak	Fax Result:	Yes	No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:			
	Time:					
Delivered By: (Circle One)	Time:					
Sampler - UPS - Bus - Other:	5.5c #113	Sample Condition				
		Cool Intact				
		Yes Yes				
		No No				
		CHECKED BY:				
		(Initials)				
		5.0.				

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ARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

499

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">EXT</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL-</div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs		State: NM Zip: 88241		Attn:															
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:															
Project #:		Project Owner: Oxy		City:															
Project Name: Pluma 29 ST 1 BAT				State: Zip:															
Project Location:				Phone #:															
Sampler Name: Roger Hernandez				Fax #:															

FOR LAB USE ONLY		GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER		
H210102														
31	Bottom	31	G			✓				✓			1.15.21	1210
32	Bottom	32	G			✓				✓			1.15.21	1220
33	Bottom	33	G			✓				✓			1.15.21	1230
34	Bottom	34	G			✓				✓			1.15.21	1240
35	Bottom	35	G			✓				✓			1.15.21	1250
36	Bottom	36	G			✓				✓			1.15.21	100
37	Bottom	37	G			✓				✓			1.15.21	110
38	Bottom	38	G			✓				✓			1.15.21	120
39	Bottom	39	G			✓				✓			1.15.21	130
40	Bottom	40	G			✓				✓			1.15.21	140

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Relinquished By: Roger Hernandez	Date: 1.18.21	Received By: [Signature]	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 0800	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)			REMARKS:	
Sampler - UPS - Bus - Other: 5.5c #113				
Sample Condition			CHECKED BY: (Initials)	
Cool Intact			T.O.	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
<input type="checkbox"/> No <input type="checkbox"/> No				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 9

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL-</div> </div>																							
Address: P.O. Box 805				Company:																											
City: Hobbs State: NM Zip: 88241				Attn:																											
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																											
Project #: Project Owner: OXY				City:																											
Project Name: Pluma 29 ST 1 BAIT				State: Zip:																											
Project Location:				Phone #:																											
Sampler Name: Roger Hernandez				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																	
H210102																															
41	Bottom	41	G	1		✓				✓			1.15.21	150	✓	✓	✓														
42	Bottom	42	G	1		✓				✓			1.15.21	155	✓	✓	✓														
43	Bottom	43	G	1		✓				✓			1.15.21	200	✓	✓	✓														
44	Bottom	44	G	1		✓				✓			1.15.21	205	✓	✓	✓														
45	Bottom	45	G	1		✓				✓			1.15.21	210	✓	✓	✓														
46	Bottom	46	G	1		✓				✓			1.15.21	215	✓	✓	✓														
47	Bottom	47	G	1		✓				✓			1.15.21	220	✓	✓	✓														
48	Bottom	48	G	1		✓				✓			1.15.21	225	✓	✓	✓														
49	Bottom	49	G	1		✓				✓			1.15.21	230	✓	✓	✓														
50	Bottom	50	G	1		✓				✓			1.15.21	235	✓	✓	✓														

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Relinquished By:	Date: 1.18.21	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Roger Hernandez	Time: 0800	Amara Alda	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: 5.5° #113	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) TO.		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 of 9

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>TPH</div> <div>BTEX</div> <div>CL-</div> <div>EXT</div> </div>													
Address: P.O. Box 805				Company:																	
City: Hobbs State: NM Zip: 88241				Attn:																	
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																	
Project #: Project Owner: Oxy				City:																	
Project Name: Pluma 29 St 1 Batt				State: Zip:																	
Project Location:				Phone #:																	
Sampler Name: Roger Hernandez				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER		ICE / COOL		DATE		TIME									
						WASTEWATER		OTHER													
						SOIL															
						OIL															
						SLUDGE															
						OTHER															
						ACID/BASE															
H210102																					
51 Bottom		51		G1				✓		1.15.21		240		✓		✓		✓			
52 Bottom		52		G1				✓		1.15.21		245		✓		✓		✓			
53 Bottom		53		G1				✓		1.15.21		250		✓		✓		✓			
54 Bottom		54		G1				✓		1.15.21		255		✓		✓		✓			
55 Bottom		55		G1				✓		1.15.21		300		✓		✓		✓			
56 Bottom		56		G1				✓		1.15.21		305		✓		✓		✓			
57 Bottom		57		G1				✓		1.15.21		310		✓		✓		✓			
58 Bottom		58		G1				✓		1.15.21		315		✓		✓		✓			
59 Bottom		59		G1				✓		1.15.21		320		✓		✓		✓			
60 Bottom		60		G1				✓		1.15.21		325		✓		✓		✓			

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Relinquished By: Roger Hernandez		Date: 1-18-21		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 6:00						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)				Sample Condition		CHECKED BY:			
Sampler - UPS - Bus - Other: 5.5° #113				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) [Signature]			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7 of 9

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">EXT</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL-</div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs State: NM Zip: 88241				Attn:															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: OXY				City:															
Project Name: Pluma 29 ST 1 Batt				State: Zip:															
Project Location:				Phone #:															
Sampler Name: Roger Hernandez				Fax #:															

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	TPH	BTEX	EXT	CL-	
GROUNDWATER	WASTEWATER					SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER										
H210102	61	Bottom	61	G	1			✓				✓		1.15.21	330	✓	✓	✓				
	62	Bottom	62	G	1			✓				✓		1.15.21	335	✓	✓	✓				
	63	Bottom	63	G	1			✓				✓		1.15.21	340	✓	✓	✓				
	64	Bottom	64	G	1			✓				✓		1.15.21	345	✓	✓	✓				
	65	Bottom	65	G	1			✓				✓		1.15.21	350	✓	✓	✓				
	66	Bottom	66	G	1			✓				✓		1.15.21	355	✓	✓	✓				
	67	Sidewall	1	G	1			✓				✓		1.15.21	1005	✓	✓	✓				
	68	Sidewall	2	G	1			✓				✓		1.15.21	1015	✓	✓	✓				
	69	Sidewall	3	G	1			✓				✓		1.15.21	1025	✓	✓	✓				
	70	Sidewall	4	G	1			✓				✓		1.15.21	1035	✓	✓	✓				

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Relinquished By: Roger Hernandez	Date: 1.16.21	Received By: Tamara Alda	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 0800	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Date:	Sample Condition	REMARKS:	
Sampler - UPS - Bus - Other: 5.5° #113	Time:	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		
		CHECKED BY: (Initials) Y.O.		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

8 of 9

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: Cliff Brunson				P.O. #:				TPH BTX CL- EXT																	
Address: P.O. Box 805				Company:																					
City: Hobbs State: NM Zip: 88241				Attn:																					
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																					
Project #: Project Owner: Oxy				City:																					
Project Name: Pluma 29 ST 1 BAT				State: Zip:																					
Project Location:				Phone #:																					
Sampler Name: Roger Hernandez				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															
H21D102																									
71 Sidewall		5		G-1						1.15.21 1045															
72 Sidewall		6		G-1						1.15.21 1055															
73 Sidewall		7		G-1						1.15.21 1105															
74 Sidewall		8		G-1						1.15.21 1115															
75 Sidewall		9		G-1						1.15.21 1125															
76 Sidewall		10		G-1						1.15.21 1135															
77 Sidewall		11		G-1						1.15.21 1145															
78 Sidewall		12		G-1						1.15.21 1155															
79 Sidewall		13		G-1						1.15.21 1205															
80 Sidewall		14		G-1						1.15.21 1215															
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Relinquished By: Roger Hernandez				Date: 1.18.21 Time: 0800				Received By: Tamara Aldridge				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:													
Relinquished By:				Date:				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:													
Relinquished By:				Date:				Received By:				REMARKS:													
Delivered By: (Circle One)				Sample Condition				CHECKED BY:																	
Sampler - UPS - Bus - Other: 5.5c #113				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				Y.O.																	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

9 of 9

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Groundwater levels for New Mexico

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Agency code = usgs
site_no list =

- 325846103435401

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

USGS 325846103435401 15S.32E.29.44441

Lea County, New Mexico
Latitude 32°58'52.4", Longitude 103°43'54.8" NAD83
Land-surface elevation 4,314.80 feet above NGVD29
The depth of the well is 348 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) 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 measurem
1961-01-19			D 220.58				2		U	
1966-02-14			D 222.57				2		U	
1971-04-01			D 226.05				2		U	
1976-04-01			D 230.66				2		U	
1981-01-28			D 234.46				2		U	
1986-01-09			D 234.60				2		U	
1990-12-05			D 232.81				2		U	
1996-01-09			D 233.28				2		S	
2001-02-16			D 234.76				2		S	
2006-02-16	10:51 MST	m	234.05				2		S	USGS
2010-12-11	15:00 MST	m	234.29				2		S	USGS
2016-02-02	13:40 MST	m	234.89				2		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute

Section	Code	Description
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	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
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: 2020-01-08 13:10:18 EST

0.22 0.19 nadww02

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 20613

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	20613	Action Type:	C-141
OCD Reviewer									Condition
chensley									None