

## Closure Report

**Incident ID's: NAB1906653179, NAB1906658390, & NAB1906727934**

### Site Description

Site Name:	Harroun 9 1 CTB
Company:	Oxy USA Inc.
Legal Description:	U/L P, Sec 9, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.22656 W -103.98248

### Release Data

Date of Release:	(1/14/19, 1/21/19, 1/23/19)
Type of Release:	Produced Water
Source of Release:	Compromised poly discharge line
Volume of Release:	150 BBLS
Volume Recovered:	135 BBLS

### Remediation Specifications

Remediation Parameters:	Excavated SP1, SP2, SP3, & SP4 to a 2 foot depth. SP5, SP6, SP7, & SP10 to a depth of 4 feet. Placed an impermeable liner on the bottom of the 4 foot excavation area. SP8 & SP9 were excavated to a one foot depth. Bottom and sidewall samples collected every 100 feet.	
	Backfilled site with clean soil.	
Remediation Activities:	11/19/2020 to 02/25/2021	
Plan Sent to OCD:	8/14/2019	Receipted on permit application
OCD Approval of Plan:	8/28/2019	Email from Robert Hamlet
Plan Sent to BLM:	N/A	
BLM Approval of Plan:	N/A	

### Supporting Documentation

Initial C-141	Signed document for each incident
C-141, page 6	Signed document for each incident
Site Diagram	Google Earth Map for 3 incidents on same location
Pictures	Remediation pictures for all incidents combined
Lab Summary/Analysis	Report for 2-3-21 to 2-11-21
Depth to Groundwater	USGS Groundwater report

### 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.

3/17/2021

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

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

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

Incident ID	NAB1906653179
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 N 32.22656 Longitude W-103.98248  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	HARROUN 9 1 CTB	Site Type	BATTERY
Date Release Discovered	1/14/19	API# (if applicable)	30-015-34894

Unit Letter	Section	Township	Range	County
P	9	24S	29E	EDDY COUNTY, NM

Surface Owner:  State  Federal  Tribal  Private (Name: MCDONALD)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 110 BBLS	Volume Recovered (bbls) 105 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

FIRE ON HEATER TREATER

Form C-141

State of New Mexico  
Oil Conservation Division

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Incident ID	NAB1906653179
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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? <b>THE RELEASE WAS GREATER THAN 25 BBLs</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>YES BY WADE DITTRICH OF OXY TO MIKE BRATCHER AND ROBERT HAMLET OF NMOCD VIA EMAIL ON 1/15/19 AT 1:36 PM</b>	

### Initial Response

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

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator  
 Signature:  Date: 2-26-19  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

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Latitude N 32.22656 Longitude W-103.98248  
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Date Release Discovered	1/21/19	API# (if applicable)	30-015-34894

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Surface Owner:  State  Federal  Tribal  Private (Name: MCDONALD)

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 15 BBLS	Volume Recovered (bbls) 10 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

COMPROMISED POLY DISCHARGE LINE FROM WATER TRANSFER PUMP DUE TO FIRE

Form C-141

State of New Mexico  
Oil Conservation Division

Page 2

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<b><u>OCD Only</u></b>  Received by: _____ Date: _____

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Cause of Release  
COMPROMISED POLY DISCHARGE LINE FROM WATER TRANSFER PUMP DUE TO FIRE

Form C-141

State of New Mexico  
Oil Conservation Division

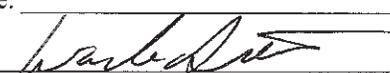
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If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>YES BY WADE DITTRICH OF OXY TO MIKE BRATCHER AND ROBERT HAMLET OF NMOCD VIA EMAIL ON 1/24/19 AT 8:55 AM</b>	

### 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.	
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<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Form C-141

State of New Mexico  
Oil Conservation Division

Page 6

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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)
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Printed Name: Wade Dittrich Title: Environmental Coordinator  
 Signature:  Date: 3-16-21  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: Chad Hensley Date: 04/09/2021

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: 04/09/2021  
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Form C-141

State of New Mexico  
Oil Conservation Division

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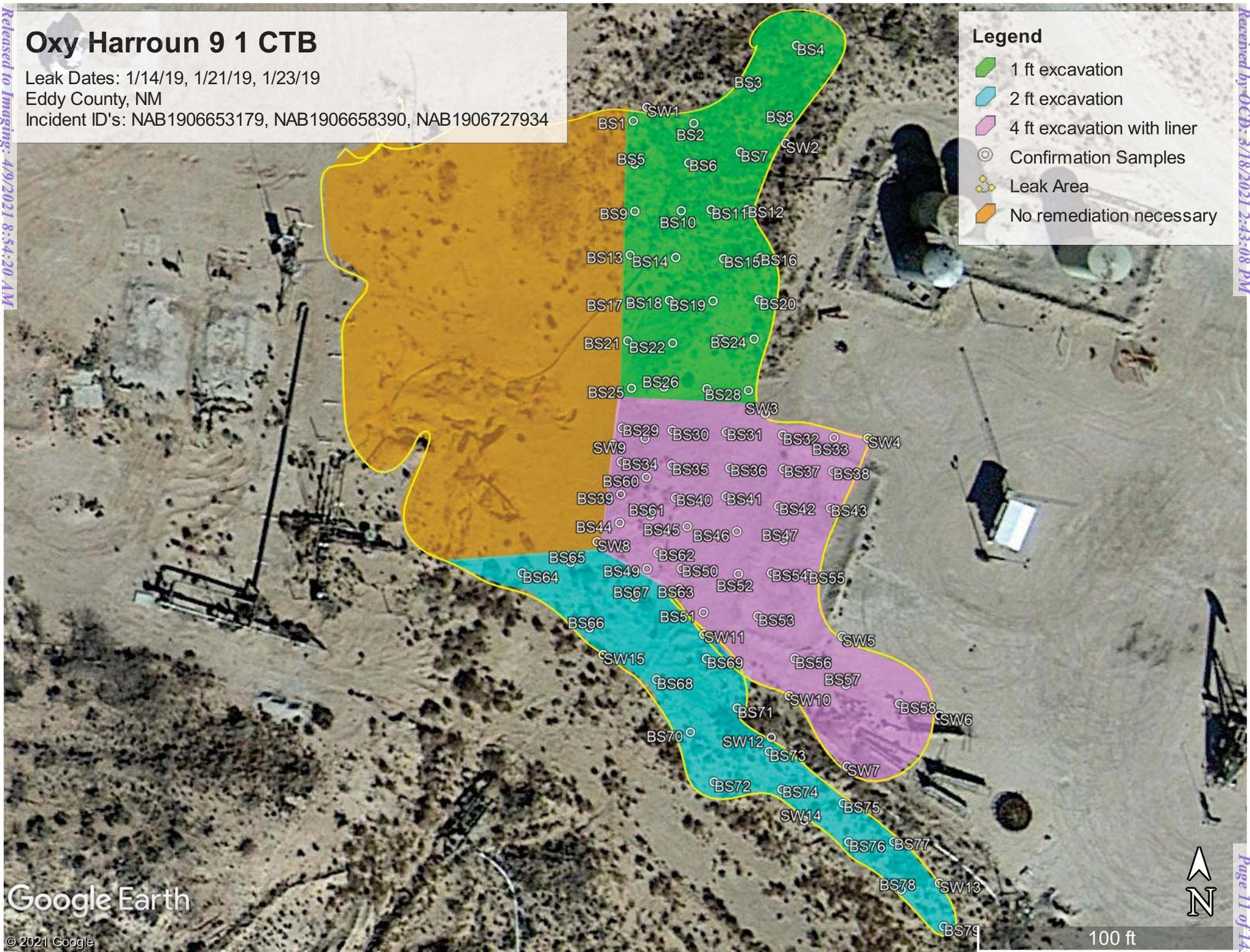
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# Oxy Harroun 9 1 CTB

Leak Dates: 1/14/19, 1/21/19, 1/23/19  
Eddy County, NM  
Incident ID's: NAB1906653179, NAB1906658390, NAB1906727934

**Legend**

- 1 ft excavation
- 2 ft excavation
- 4 ft excavation with liner
- Confirmation Samples
- Leak Area
- No remediation necessary



Oxy, Harroun 9 1 CTB (1/14/19,  
1/21/19, 1/23/19)

Confirmation Sample Points

BS1, N 32.22693 W 103.98274

BS2, N 32.22692 W 103.98267

BS3, N 32.22696 W 103.98260

BS4, N 32.22700 W 103.98255

BS5, N 32.22688 W 103.98274

BS6, N 32.22688 W 103.98268

BS7, N 32.22689 W 103.98262

BS8, N 32.22693 W 103.98256

BS9, N 32.22683 W 103.98274

BS10, N 32.22683 W 103.98269

BS11, N 32.22684 W 103.98265

BS12, N 32.22684 W 103.98261

BS13, N 32.22679 W 103.98275

BS14, N 32.22679 W 103.98269

BS15, N 32.22679 W 103.98265

BS16, N 32.22679 W 103.98259

BS17, N 32.22674 W 103.98275

BS18, N 32.22674 W 103.98270

BS19, N 32.22674 W 103.98264

BS20, N 32.22674 W 103.98259

BS21, N 32.22670 W 103.98275

BS22, N 32.22670 W 103.98270

BS23, N 32.22670 W 103.98265

BS24, N 32.22670 W 103.98259

BS25, N 32.22665 W 103.98276

BS26, N 32.22665 W 103.98272

BS27, N 32.22664 W 103.98267

BS28, N 32.22665 W 103.98261

BS29, N 32.22661 W 103.98276

BS30, N 32.22661 W 103.98270

BS31, N 32.22661 W 103.98263

BS32, N 32.22661 W 103.98256

BS33, N 32.22660 W 103.98250

BS34, N 32.22658 W 103.98276

BS35, N 32.22657 W 103.98270

BS36, N 32.22657 W 103.98263

BS37, N 32.22657 W 103.98256

BS38, N 32.22657 W 103.98250

BS39, N 32.22654 W 103.98276

BS40, N 32.22654 W 103.98269

BS41, N 32.22654 W 103.98263

BS42, N 32.22653 W 103.98257

BS43, N 32.22653 W 103.98251

BS44, N 32.22652 W 103.98276

BS45, N 32.22651 W 103.98268

BS46, N 32.22651 W 103.98262

BS47, N 32.22650 W 103.98256

BS48, N 32.22649 W 103.98276

BS49, N 32.22647 W 103.98273

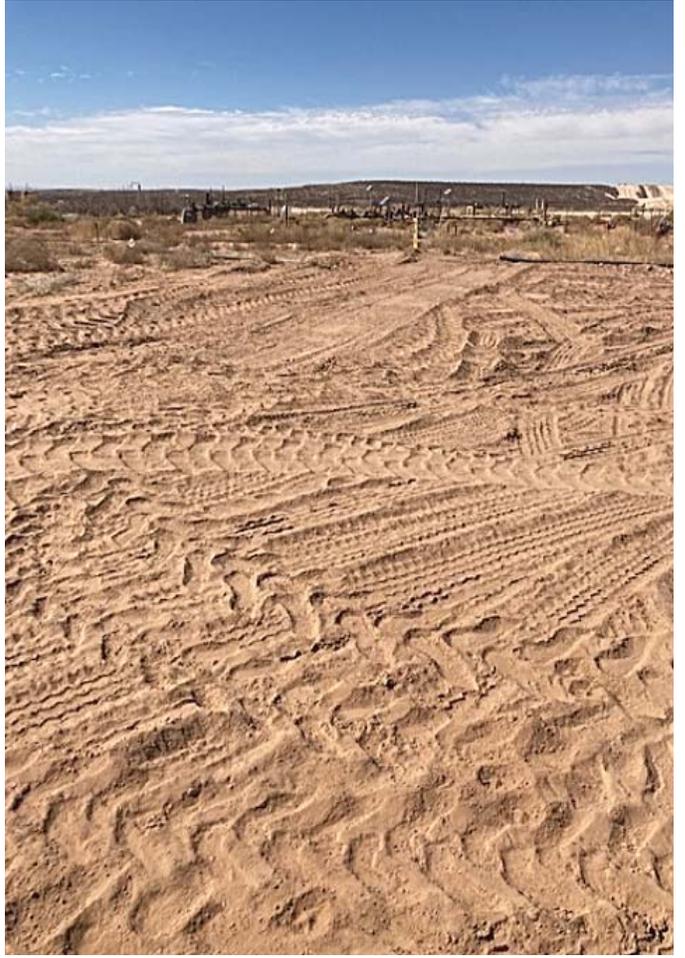
BS50, N 32.22647 W 103.98269

BS51, N 32.22642 W 103.98266	BS78, N 32.22614 W 103.98242
BS52, N 32.22646 W 103.98262	BS79, N 32.22610 W 103.98237
BS53, N 32.22642 W 103.98259	SW1, N 32.22694 W 103.98273
BS54, N 32.22646 W 103.98258	SW2, N 32.22690 W 103.98256
BS55, N 32.22646 W 103.98253	SW3, N 32.22663 W 103.98259
BS56, N 32.22638 W 103.98255	SW4, N 32.22660 W 103.98246
BS57, N 32.22635 W 103.98249	SW5, N 32.22640 W 103.98249
BS58, N 32.22633 W 103.98242	SW6, N 32.22632 W 103.98238
BS59, N 32.22660 W 103.98273	SW7, N 32.22626 W 103.98249
BS60, N 32.22656 W 103.98273	SW8, N 32.22649 W 103.98278
BS61, N 32.22652 W 103.98272	SW9, N 32.22660 W 103.98277
BS62, N 32.22649 W 103.98271	SW10, N 32.22634 W 103.98256
BS63, N 32.22645 W 103.98269	SW11, N 32.22640 W 103.98266
BS64, N 32.22646 W 103.98288	SW12, N 32.22630 W 103.98258
BS65, N 32.22648 W 103.98282	SW13, N 32.22615 W 103.98238
BS66, N 32.22641 W 103.98280	SW14, N 32.22621 W 103.98254
BS67, N 32.22644 W 103.98274	SW15, N 32.22638 W 103.98278
BS68, N 32.22636 W 103.98272	
BS69, N 32.22638 W 103.98266	
BS70, N 32.22630 W 103.98268	
BS71, N 32.22633 W 103.98262	
BS72, N 32.22625 W 103.98265	
BS73, N 32.22628 W 103.98258	
BS74, N 32.22624 W 103.98257	
BS75, N 32.22623 W 103.98249	
BS76, N 32.22619 W 103.98248	
BS77, N 32.22619 W 103.98243	











Laboratory Analytical Results Summary  
 Harroun 9-1 CTB (1/14/19, 1/21/19, 1/23/19)

Analyte	Method	Sample ID	BS1	BS2	BS3	BS4	BS5	BS6	BS7	BS8	BS9	BS10
		Date	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21
			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	SM4500CI-B		144	64.0	160	96.0	192	240	80.0	64.0	288	32.0
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

Analyte	Method	Sample ID	BS11	BS12	BS13	BS14	BS15	BS16	BS17	BS18	BS19	BS20
		Date	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21
			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	SM4500CI-B		112	224	224	64.0	304	144	80.0	176	48.0	32.0
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

Analyte	Method	Sample ID	BS21	BS22	BS23	BS24	BS25	BS26	BS27	BS28	BS29	BS30
		Date	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21
			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	SM4500CI-B		16.0	32.0	48.0	16.0	48.0	16.0	32.0	32.0	32.0	32.0
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

Analyte	Method	Sample ID	BS31	BS32	BS33	BS34	BS35	BS35A	BS36	BS37	BS38	BS38A	BS39	BS39A	BS40
		Date	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/11/21	2/3/21	2/3/21	2/3/21	2/3/21	2/11/21	2/3/21	2/3/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		32.0	32.0	16.0	32.0	864	32.0	368	464	752	<16.0	1060	<16.0	368
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary  
Harroun 9-1 CTB (1/14/19, 1/21/19, 1/23/19)

Analyte	Method	Sample ID Date	BS41	BS41A	BS42	BS43	BS44	BS45	BS46	BS47	BS48	BS49	BS50
			2/3/21	2/11/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21	2/3/21
			mg/kg	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	<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	<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	<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	<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	<0.300
Chloride	SM4500CI-B		896	<16.0	32.0	<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	<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	<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	<10.0

Analyte	Method	Sample ID Date	BS51	BS52	BS53	BS54	BS55	BS56	BS57	BS58	BS59	BS60
			2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21
			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	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	32.0	<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

Analyte	Method	Sample ID Date	BS61	BS62	BS63	BS64	BS65	BS66	BS67	BS67A	BS68	BS68A	BS69	BS69A	BS70
			2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/11/21	2/4/21	2/4/21
			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	<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	<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	<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	<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	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	160	48.0	1220	<67.0	2320	<16.0	736	<16.0	48.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample ID Date	BS71	BS72	BS73	BS74	BS75	BS76	BS77	BS78	BS79
			2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21
			mg/kg								
Benzene	BTEX 8021B		<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
Ethylbenzene	BTEX 8021B		<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
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500CI-B		16.0	<16.0	176	144	320	576	64.0	368	192
GRO	TPH 8015M		<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
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary  
 Harroun 9-1 CTB (1/14/19, 1/21/19, 1/23/19)

Analyte	Method	Sample ID	SW1	SW2	SW3A	SW4	SW5	SW6	SW7	SW8	SW9	SW9A	SW10
			2/4/21	2/4/21	2/11/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/11/21
		Date	mg/kg	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	<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	<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	<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	<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	<0.300
Chloride	SM4500Cl-B		192	80.0	<16.0	368	16.0	16.0	544	48.0	736	<16.0	112
GRO	TPH 8015M		<10.0	<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	59.7	<10.0	<10.0	17.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	14.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample ID	SW11	SW12	SW13	SW14	SW15	SW15A
			2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/11/21
		Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a	<0.300
Chloride	SM4500Cl-B		16.0	224	96.0	<16.0	768	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	<10.0



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

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February 09, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 9-1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/05/21 8:32.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 1 (H210293-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/05/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/05/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	215	108	200	8.28	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	221	110	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 2 (H210293-02)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.410		
Toluene*	<0.050	0.050	02/05/2021	ND	2.02	101	2.00	0.480		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.117		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.37	106	6.00	0.546		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	02/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	215	108	200	8.28		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	221	110	200	4.90		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 95.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.2 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 3 (H210293-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/05/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/05/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	215	108	200	8.28	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	221	110	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.6 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 4 (H210293-04)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.410		
Toluene*	<0.050	0.050	02/05/2021	ND	2.02	101	2.00	0.480		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.117		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.37	106	6.00	0.546		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 5 (H210293-05)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.410		
Toluene*	<0.050	0.050	02/05/2021	ND	2.02	101	2.00	0.480		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.117		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.37	106	6.00	0.546		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	02/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 6 (H210293-06)**

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	02/05/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/05/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/05/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 106 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 7 (H210293-07)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/06/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 8 (H210293-08)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/06/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 9 (H210293-09)**

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	02/06/2021	ND	2.01	100	2.00	0.410		
Toluene*	<0.050	0.050	02/06/2021	ND	2.02	101	2.00	0.480		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.117		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.37	106	6.00	0.546		
Total BTEX	<0.300	0.300	02/06/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 10 (H210293-10)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/06/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 11 (H210293-11)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/06/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 12 (H210293-12)**

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	02/06/2021	ND	2.01	100	2.00	0.410	
Toluene*	<0.050	0.050	02/06/2021	ND	2.02	101	2.00	0.480	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.01	100	2.00	0.117	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.37	106	6.00	0.546	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/08/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 13 (H210293-13)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	02/08/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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**Analytical Results For:**

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Fax To: (575) 397-0397

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 14 (H210293-14)**

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	02/05/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/05/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2021	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	02/05/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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**Analytical Results For:**

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Fax To: (575) 397-0397

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 15 (H210293-15)**

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	02/05/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/08/2021	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	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 16 (H210293-16)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	02/08/2021	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	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 17 (H210293-17)**

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	02/05/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/08/2021	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	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 18 (H210293-18)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/05/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/05/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/08/2021	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	02/05/2021	ND	241	121	200	1.38		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	236	118	200	1.08		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 19 (H210293-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/05/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2021	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	02/06/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.3 % 42.2-156

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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 20 (H210293-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/05/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/05/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	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	02/06/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 99.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.1 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 21 (H210293-21)**

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	02/05/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/05/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/05/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2021	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	02/06/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 22 (H210293-22)**

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	02/06/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	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	02/06/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 23 (H210293-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2021	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	02/06/2021	ND	241	121	200	1.38	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	236	118	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 24 (H210293-24)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 84.1 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 25 (H210293-25)**

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	02/06/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 81.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 26 (H210293-26)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 27 (H210293-27)**

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	02/06/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 28 (H210293-28)**

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	02/06/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/06/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.0 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 29 (H210293-29)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 30 (H210293-30)**

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	02/06/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 31 (H210293-31)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.17	108	2.00	6.25		
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 85.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.6 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 32 (H210293-32)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.17	108	2.00	6.25	
Toluene*	<0.050	0.050	02/06/2021	ND	2.12	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.07	103	2.00	6.43	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.05	101	6.00	5.93	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 33 (H210293-33)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2021	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 34 (H210293-34)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 35 (H210293-35)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 36 (H210293-36)**

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	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 37 (H210293-37)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>464</b>	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.1 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 38 (H210293-38)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.8 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 39 (H210293-39)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.7 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 40 (H210293-40)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.2 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 41 (H210293-41)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>896</b>	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.1 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 42 (H210293-42)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.9 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 43 (H210293-43)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	112	200	3.98		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	231	115	200	1.18		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.9 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 44 (H210293-44)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 83.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.4 % 42.2-156

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 45 (H210293-45)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140	
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	113	200	3.48	
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	233	117	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.1 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 46 (H210293-46)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 81.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.0 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 47 (H210293-47)**

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	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 80.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.4 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 48 (H210293-48)**

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	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.5 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 49 (H210293-49)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.0 % 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:	02/05/2021	Sampling Date:	02/03/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 50 (H210293-50)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/05/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/05/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/05/2021	ND						

Surrogate: 1-Chlorooctane 81.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.6 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 51 (H210293-51)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 82.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.3 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 52 (H210293-52)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.13	107	2.00	0.140		
Toluene*	<0.050	0.050	02/06/2021	ND	2.09	104	2.00	0.200		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.04	102	2.00	0.288		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	5.99	99.9	6.00	0.522		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 82.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.6 % 42.2-156

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 53 (H210293-53)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2021	ND	400	100	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	02/06/2021	ND	225	113	200	3.48	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.7 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 54 (H210293-54)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.18	109	2.00	3.75		
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 83.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.1 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 55 (H210293-55)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.2 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 56 (H210293-56)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.18	109	2.00	3.75		
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 84.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.1 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 57 (H210293-57)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.18	109	2.00	3.75		
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 80.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.1 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 58 (H210293-58)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.2 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 59 (H210293-59)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 60 (H210293-60)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.8 % 42.2-156

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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 61 (H210293-61)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2021	ND	2.18	109	2.00	3.75		
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.7 % 42.2-156

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 62 (H210293-62)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.3 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 63 (H210293-63)**

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	02/06/2021	ND	2.18	109	2.00	3.75		
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	225	113	200	3.48		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	233	117	200	4.02		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 89.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 64 (H210293-64)**

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	02/06/2021	ND	2.18	109	2.00	3.75		
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14		
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88		
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53		
Total BTEX	<0.300	0.300	02/06/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91		
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891		
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND						

Surrogate: 1-Chlorooctane 91.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.5 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 65 (H210293-65)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.7 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 66 (H210293-66)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 67 (H210293-67)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.0 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 68 (H210293-68)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 69 (H210293-69)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 70 (H210293-70)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 71 (H210293-71)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.3 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 72 (H210293-72)**

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	02/06/2021	ND	2.18	109	2.00	3.75	
Toluene*	<0.050	0.050	02/06/2021	ND	2.14	107	2.00	4.14	
Ethylbenzene*	<0.050	0.050	02/06/2021	ND	2.09	105	2.00	3.88	
Total Xylenes*	<0.150	0.150	02/06/2021	ND	6.12	102	6.00	3.53	
Total BTEX	<0.300	0.300	02/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.0 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 73 (H210293-73)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 74 (H210293-74)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/08/2021	ND	400	100	400	0.00	QM-07

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	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 75 (H210293-75)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.4 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 76 (H210293-76)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.2 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 77 (H210293-77)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.5 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 78 (H210293-78)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 79 (H210293-79)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.9 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 1 (H210293-80)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 2 (H210293-81)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.3 % 42.2-156

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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 3 (H210293-82)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>864</b>	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2021	ND	231	115	200	1.91	
DRO >C10-C28*	<10.0	10.0	02/06/2021	ND	232	116	200	0.891	
EXT DRO >C28-C36	<10.0	10.0	02/06/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.9 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 4 (H210293-83)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.9 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 5 (H210293-84)**

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	02/08/2021	ND	2.01	101	2.00	6.08		
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99		
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60		
Total BTEX	<0.300	0.300	02/08/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>16.0</b>	16.0	02/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68		
<b>DRO &gt;C10-C28*</b>	<b>59.7</b>	10.0	02/08/2021	ND	217	108	200	0.161		
<b>EXT DRO &gt;C28-C36</b>	<b>14.2</b>	10.0	02/08/2021	ND						

Surrogate: 1-Chlorooctane 89.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 6 (H210293-85)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.0 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 7 (H210293-86)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 8 (H210293-87)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
<b>DRO &gt;C10-C28*</b>	<b>17.0</b>	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 9 (H210293-88)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.9 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 10 (H210293-89)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 11 (H210293-90)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.9 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 12 (H210293-91)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/08/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.6 % 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:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 13 (H210293-92)**

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	02/08/2021	ND	2.01	101	2.00	6.08	
Toluene*	<0.050	0.050	02/08/2021	ND	2.06	103	2.00	4.99	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	2.03	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	6.34	106	6.00	5.60	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/09/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/09/2021	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 14 (H210293-93)**

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	02/08/2021	ND	2.04	102	2.00	7.85	
Toluene*	<0.050	0.050	02/08/2021	ND	2.00	100	2.00	7.95	
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	1.95	97.6	2.00	8.27	
Total Xylenes*	<0.150	0.150	02/08/2021	ND	5.71	95.2	6.00	7.99	
Total BTEX	<0.300	0.300	02/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/09/2021	ND	214	107	200	1.68	
DRO >C10-C28*	<10.0	10.0	02/09/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	<10.0	10.0	02/09/2021	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/05/2021	Sampling Date:	02/04/2021
Reported:	02/09/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 15 (H210293-94)**

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	02/08/2021	ND	2.04	102	2.00	7.85		
Toluene*	<0.050	0.050	02/08/2021	ND	2.00	100	2.00	7.95		
Ethylbenzene*	<0.050	0.050	02/08/2021	ND	1.95	97.6	2.00	8.27		
Total Xylenes*	<0.150	0.150	02/08/2021	ND	5.71	95.2	6.00	7.99		
Total BTEX	<0.300	0.300	02/08/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	02/08/2021	ND	400	100	400	0.00	QM-07	

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	02/08/2021	ND	214	107	200	1.68		
DRO >C10-C28*	<10.0	10.0	02/08/2021	ND	217	108	200	0.161		
EXT DRO >C28-C36	<10.0	10.0	02/08/2021	ND						

Surrogate: 1-Chlorooctane 86.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.8 % 42.2-156

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- A-01 No surrogate added
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

1 of 10

Company Name: <b>BBC INTERNATIONAL</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>							
Project Manager: <b>Cliff Brunson</b>		P.O. #:									
Address: <b>1324 W. MARLAND</b>		Company:									
City: <b>Hobbs</b>	State: <b>NM</b>	Zip: <b>88240</b>	Attn:								
Phone #: <b>(575) 397 6388</b>	Fax #: <b>(575) 397 0397</b>	Address: <b>Oxy</b>	City:								
Project #:	Project Owner: <b>Oxy</b>	State:	Zip:								
Project Name: <b>HARROUN 9-1 CTB</b>	Phone #:		Fax #:								
Project Location:	Sampler Name: <b>Roger Hernandez</b>										
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING		TPH BTEX Cl-	
		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL		OTHER:

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Relinquished By: <b>Roger Hernandez</b>	Date: <b>2.15.21</b>	Received By: <b>Juanita Aldrete</b>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
Time: <b>8:32</b>			All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	REMARKS:		
Time:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <b>5.9</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>JO</b>	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
	Corrected Temp. °C	<input type="checkbox"/> No <input type="checkbox"/> No		Thermometer ID #113 Correction Factor None	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
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2 of 0

Company Name: <b>BBC International</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager:		P.O. #:													
Address:		Company:													
City:	State: <b>NM</b> Zip: <b>88240</b>	Attn: <b>Oxy</b>													
Phone #:	Fax #:	Address:													
Project #:	Project Owner:	City:													
Project Name: <b>Harroun 9-1 CTB</b>		State: Zip:													
Project Location:		Phone #:													
Sampler Name: <b>Roger Hernandez</b>		Fax #:													

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	TPH	BTEX	CL-
GROUNDWATER	WASTEWATER				SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:								
		<b>H210293</b>																	
		<b>11</b>	<b>Bottom</b>	<b>11</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1005</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>12</b>	<b>Bottom</b>	<b>12</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1015</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>13</b>	<b>Bottom</b>	<b>13</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1020</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>14</b>	<b>Bottom</b>	<b>14</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1030</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>15</b>	<b>Bottom</b>	<b>15</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1035</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>16</b>	<b>Bottom</b>	<b>16</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1045</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>17</b>	<b>Bottom</b>	<b>17</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1050</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>18</b>	<b>Bottom</b>	<b>18</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1100</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>19</b>	<b>Bottom</b>	<b>19</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1105</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
		<b>20</b>	<b>Bottom</b>	<b>20</b>	<b>1</b>			<b>✓</b>				<b>✓</b>		<b>2-3-21</b>	<b>1115</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	

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Relinquished By: <b>Roger Hernandez</b>	Date: <b>2-5-21</b>	Received By: <b>Temara Oldaker</b>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <b>0832</b>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <b>5.9</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>TO</b>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
FORM-006 R 3.1 06/04/20		Thermometer ID #113 Correction Factor None	Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
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Page 99 of 106

Company Name: <b>BBC International</b>		<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>									
Project Manager:		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);">BLEK</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:		Company:												
City:	State: <b>NM</b> Zip: <b>88240</b>	Attn: <b>Oxy</b>												
Phone #:	Fax #:	Address:												
Project #:	Project Owner: <b>OXY</b>	City:												
Project Name: <b>Harroun 9-1 CTB</b>		State: Zip:												
Project Location:		Phone #:												
Sampler Name: <b>Roger Hernandez</b>		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
<b>HAI0293</b>														
21	BOTTOM 21	G	1			✓				✓			2.3.21	1120
22	BOTTOM 22	G	1			✓				✓			2.3.21	1130
23	BOTTOM 23	G	1			✓				✓			2.3.21	1135
24	BOTTOM 24	G	1			✓				✓			2.3.21	1145
25	BOTTOM 25	G	1			✓				✓			2.3.21	1150
26	BOTTOM 26	G	1			✓				✓			2.3.21	1200
27	BOTTOM 27	G	1			N				✓			2.3.21	1205
28	BOTTOM 28	G	1			✓				✓			2.3.21	1215
29	BOTTOM 29	G	1			✓				✓			2.3.21	1220
30	BOTTOM 30	G	1			✓				✓			2.3.21	1230

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Relinquished By: <b>Roger Hernandez</b>	Date: <b>2-5-21</b> Time: <b>0832</b>	Received By: <b>Amara Oldaker</b>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C <b>5.9</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>JO</b>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
FORM-006 R 3.1 06/04/20		Thermometer ID #113 Correction Factor None	Corrected Temp. °C

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

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Page 101 of 106

Company Name: <b>BBC International</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>			
Project Manager:		P.O. #:		<div style="display: flex; flex-direction: column; align-items: center; justify-content: 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);">CL-</div> </div>			
Address:		Company:					
City: <b>Hobbs</b>	State: <b>NM</b> Zip: <b>88240</b>	Attn:					
Phone #:	Fax #:	Address: <b>Oxy</b>					
Project #:	Project Owner:	City:					
Project Name: <b>HARRON 9-1 CTB</b>		State: Zip: <b>L</b>					
Project Location:		Phone #:					
Sampler Name: <b>Roger Hernandez</b>		Fax #:					

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(GRAB OR (C)OMP. # CONTAINERS)	MATRIX					PRESERV.			SAMPLING		DATE	TIME	TPH	BTEX	CL-
GROUNDWATER	WASTEWATER				SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:								
		<b>H210293</b>																	
		41	Bottom 41	G 1			✓				✓			2.3.21	150	✓	✓	✓	
		42	Bottom 42	G 1			✓				✓			2.3.21	200	✓	✓	✓	
		43	Bottom 43	G 1			✓				✓			2.3.21	205	✓	✓	✓	
		44	Bottom 44	G 1			✓				✓			2.3.21	215	✓	✓	✓	
		45	Bottom 45	G 1			✓				✓			2.3.21	220	✓	✓	✓	
		46	Bottom 46	G 1			✓				✓			2.3.21	230	✓	✓	✓	
		47	Bottom 47	G 1			✓				✓			2.3.21	235	✓	✓	✓	
		48	Bottom 48	G 1			✓				✓			2.3.21	245	✓	✓	✓	
		49	Bottom 49	G 1			✓				✓			2.3.21	250	✓	✓	✓	
		50	Bottom 50	G 1			✓				✓			2.3.21	300	✓	✓	✓	

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Relinquished By: <b>Roger Hernandez</b>	Date: <b>2-5-21</b> Time: <b>0832</b>	Received By: <b>Janara Aldaker</b>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <b>5.9</b> Corrected Temp. °C	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	REMARKS:
		CHECKED BY: (Initials) <b>YO</b>	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C
			Thermometer ID #113 Correction Factor None

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

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Page 103 of 106

Company Name: <b>BBC International</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>			
Project Manager:		P.O. #:		<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;"> <span>TPH</span> <span>BTEX</span> <span>CL</span> </div>			
Address:		Company:					
City:	State: <b>NM</b> Zip: <b>88240</b>	Attn:					
Phone #:	Fax #:	Address: <b>Oxy</b>					
Project #:	Project Owner:	City:					
Project Name: <b>Harroun 9-1 CTB</b>		State: Zip:					
Project Location:		Phone #:					
Sampler Name: <b>Roger Hernandez</b>		Fax #:					

FOR LAB USE ONLY		G/RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	TPH	BTEX	CL
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
<b>H210293</b>																	
61	Bottom	61	G			✓			✓			2.4.21	1015	✓	✓	✓	
62	Bottom	62	G			✓			✓			2.4.21	1020	✓	✓	✓	
63	Bottom	63	G			✓			✓			2.4.21	1030	✓	✓	✓	
64	Bottom	64	G			✓			✓			2.4.21	1035	✓	✓	✓	
65	Bottom	65	G			✓			✓			2.4.21	1045	✓	✓	✓	
66	Bottom	66	G			✓			✓			2.4.21	1050	✓	✓	✓	
67	Bottom	67	C			✓			✓			2.4.21	1100	✓	✓	✓	
68	Bottom	68	G			✓			✓			2.4.21	1105	✓	✓	✓	
69	Bottom	69	G			✓			✓			2.4.21	1115	✓	✓	✓	
70	Bottom	70	C			✓			✓			2.4.21	1120	✓	✓	✓	

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Relinquished By: <i>Roger Hernandez</i>	Date: <b>2-5-21</b>	Received By: <i>Jessica Aldaker</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:	
Time: <b>0832</b>			All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	REMARKS:		
Time:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <b>5.9</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials)	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
	Corrected Temp. °C	<input type="checkbox"/> No <input type="checkbox"/> No		Thermometer ID #113 Correction Factor None	Corrected Temp. °C

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

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February 12, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 9-1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/12/21 8:37.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 35 A (H210372-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 99.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 38 A (H210372-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 98.6 % 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:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 39 A (H210372-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 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:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 41 A (H210372-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 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:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 67 A (H210372-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 97.8 % 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:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 68 A (H210372-06)**

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	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: BOTTOM 69 A (H210372-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 99.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 3 A (H210372-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 98.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 9 A (H210372-09)**

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	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 94.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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**Analytical Results For:**

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

Received:	02/12/2021	Sampling Date:	02/11/2021
Reported:	02/12/2021	Sampling Type:	Soil
Project Name:	HARROUN 9-1 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SIDEWALL 15 A (H210372-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/12/2021	ND	2.10	105	2.00	2.13		
Toluene*	<0.050	0.050	02/12/2021	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	02/12/2021	ND	2.02	101	2.00	2.71		
Total Xylenes*	<0.150	0.150	02/12/2021	ND	5.91	98.4	6.00	2.56		
Total BTEX	<0.300	0.300	02/12/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/12/2021	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	02/12/2021	ND	211	105	200	2.14		
DRO >C10-C28*	<10.0	10.0	02/12/2021	ND	225	113	200	0.305		
EXT DRO >C28-C36	<10.0	10.0	02/12/2021	ND						

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

*Rush!*

Company Name: **BBC INTERNATIONAL**  
 Project Manager: **CLIFF BIVANSON**  
 Address: \_\_\_\_\_  
 City: **Hobbs** State: **NM** Zip: **88240**  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: **HARROON 9-1 CTR**  
 Project Location: \_\_\_\_\_  
 Sampler Name: **ROGER HERNANDEZ**

**BILL TO**  
 P.O. #: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Attn: **OXY**  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

ANALYSIS REQUEST			TPH	BTEX	EXT	CL
DATE	TIME					
2.11.21	915	✓	✓	✓	✓	
2.11.21	930	✓	✓	✓	✓	
2.11.21	945	✓	✓	✓	✓	
2.11.21	1000	✓	✓	✓	✓	
2.11.21	1015	✓	✓	✓	✓	
2.11.21	1030	✓	✓	✓	✓	
2.11.21	1045	✓	✓	✓	✓	
2.11.21	1100	✓	✓	✓	✓	
2.11.21	1115	✓	✓	✓	✓	
2.11.21	1130	✓	✓	✓	✓	

Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME
H210372											
1	BOTTOM 35 A	C 1									
2	BOTTOM 38 A	C 1			✓			✓		2.11.21	915
3	BOTTOM 39 A	C 1			✓			✓		2.11.21	930
4	BOTTOM 41 A	C 1			✓			✓		2.11.21	945
5	BOTTOM 67 A	C 1			✓			✓		2.11.21	1000
6	BOTTOM 68 A	C 1			✓			✓		2.11.21	1015
7	BOTTOM 69 A	C 1			✓			✓		2.11.21	1030
8	SIDEWALL 3 A	G 1			✓			✓		2.11.21	1045
9	SIDEWALL 9 A	C 1			✓			✓		2.11.21	1100
10	SIDEWALL 15 A	C 1			✓			✓		2.11.21	1115
								✓		2.11.21	1130

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Relinquished By: *Roger Hernandez* Date: **2.16.21**  
 Received By: *Amara Oldak* Date: **8:37**  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
 Observed Temp. °C **20** Sample Condition  Cool  Intact  
 Corrected Temp. °C \_\_\_\_\_  Yes  No  Yes  No  
 CHECKED BY: (Initials) **TO**  
 Turnaround Time:  Standard  **Rush**  Bacteria (only)   No  
 Thermometer ID #113 Correction Factor None  
 Sample Condition Cool Intact Observed Temp. °C  Yes  No  
 No  No Corrected Temp. °C \_\_\_\_\_

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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- 321355104012001

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USGS 321355104012001 24S.29E.07.14444

Eddy County, New Mexico  
 Latitude 32°13'55", Longitude 104°01'20" NAD27  
 Land-surface elevation 2,983 feet above NAVD88  
 The depth of the well is 160 feet below land surface.  
 This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01		D	47.14				2		U	
1987-10-16		D	51.84				2		U	
1988-02-11		D	52.19				2		U	
1992-10-20		D	51.78				2		S	

Explanation

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

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

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



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

Page Last Modified: 2019-02-25 18:04:30 EST

0.66 0.63 nadww01

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

CONDITIONS

Action 21295

**CONDITIONS OF APPROVAL**

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	21295	Action Type:	C-141
OCD Reviewer				Condition					
chensley				None					