

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

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

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

Incident ID	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ 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?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

FIRE ON HEATER TREATER

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NAB1906653179
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC?

☒ Yes ☐ No

If YES, for what reason(s) does the responsible party consider this a major release?

THE RELEASE WAS GREATER THAN 25 BBLS

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

YES BY WADE DITTRICH OF OXY TO MIKE BRATCHER AND ROBERT HAMLET OF NMOCDA VIA EMAIL ON 1/15/19 AT 1:36 PM

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.

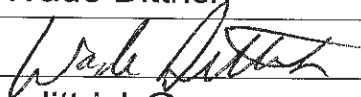
If all the actions described above have not been undertaken, explain why:

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: _____

District I
1625 N. French Dr., Hobbs, NM 88240
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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	1/21/19	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ 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?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

COMPROMISED POLY DISCHARGE LINE FROM WATER TRANSFER PUMP DUE TO FIRE

Form C-141

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	NAB1906658390
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

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.	
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Printed Name: <u>Wade Dittrich</u>	Title: <u>Environmental Coordinator</u>
Signature: <u></u>	Date: <u>2-26-19</u>
email: <u>wade_dittrich@oxy.com</u>	Telephone: <u>(575) 390-2828</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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

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☒ Produced Water	Volume Released (bbls) 150 BBLS	Volume Recovered (bbls) 135 BBLS
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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)? YES BY WADE DITTRICH OF OXY TO MIKE BRATCHER AND ROBERT HAMLET OF NMOCD VIA EMAIL ON 1/24/19 AT 8:55 AM	

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.
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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: _____

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NAB1906653179
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Closure

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

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

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

Page 6

State of New Mexico
Oil Conservation Division

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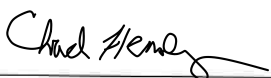
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Oxy Harroun 9 1 CTB

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

Legend

1 ft excavation

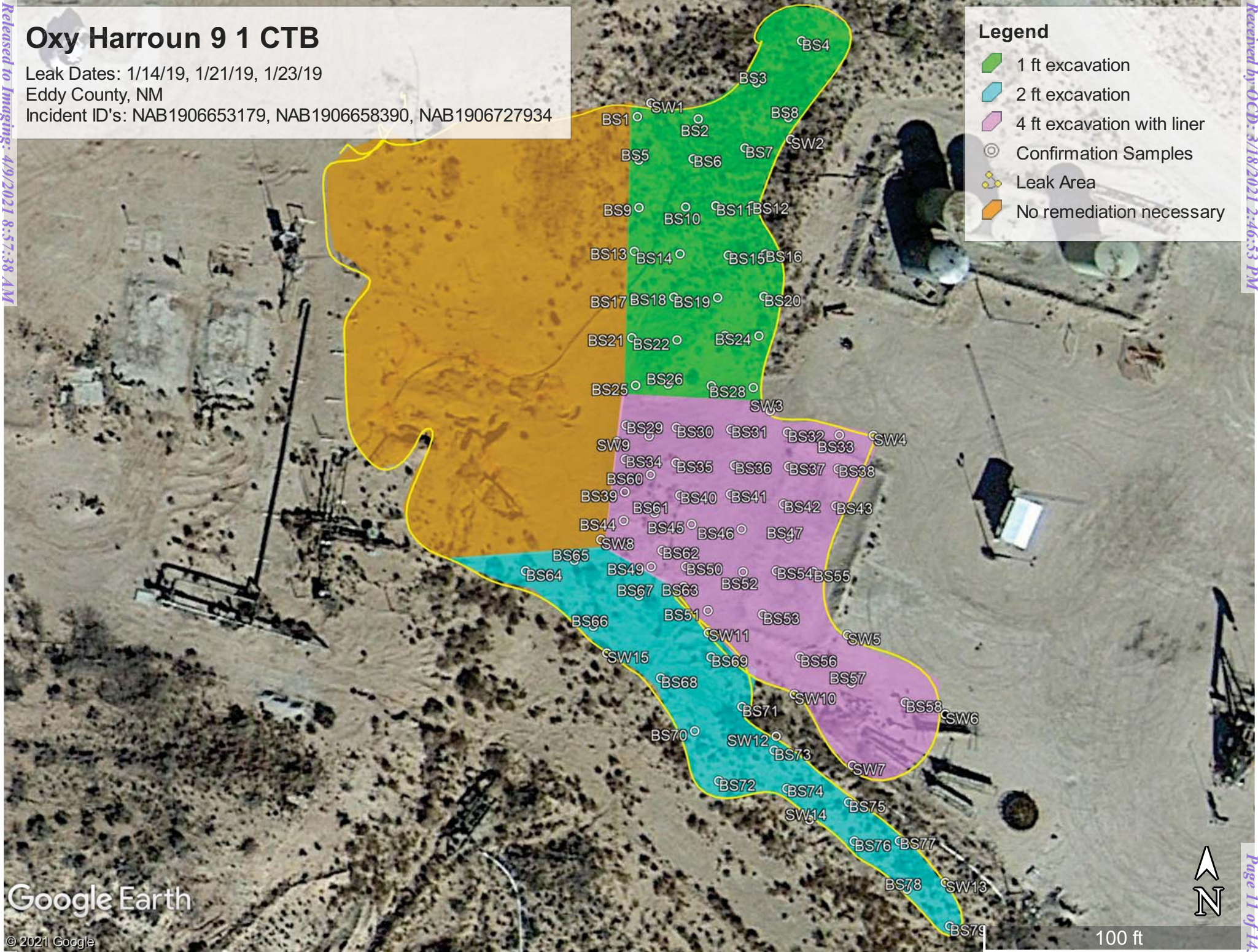
2 ft excavation

4 ft excavation with liner

Confirmation Samples

Leak Area

No remediation necessary



Google Earth



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

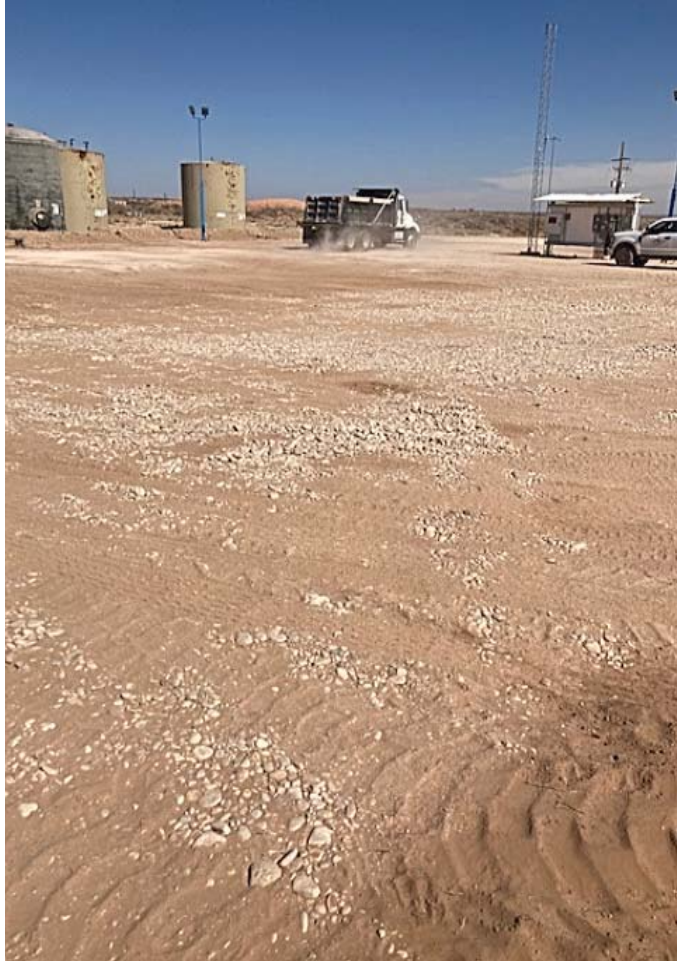
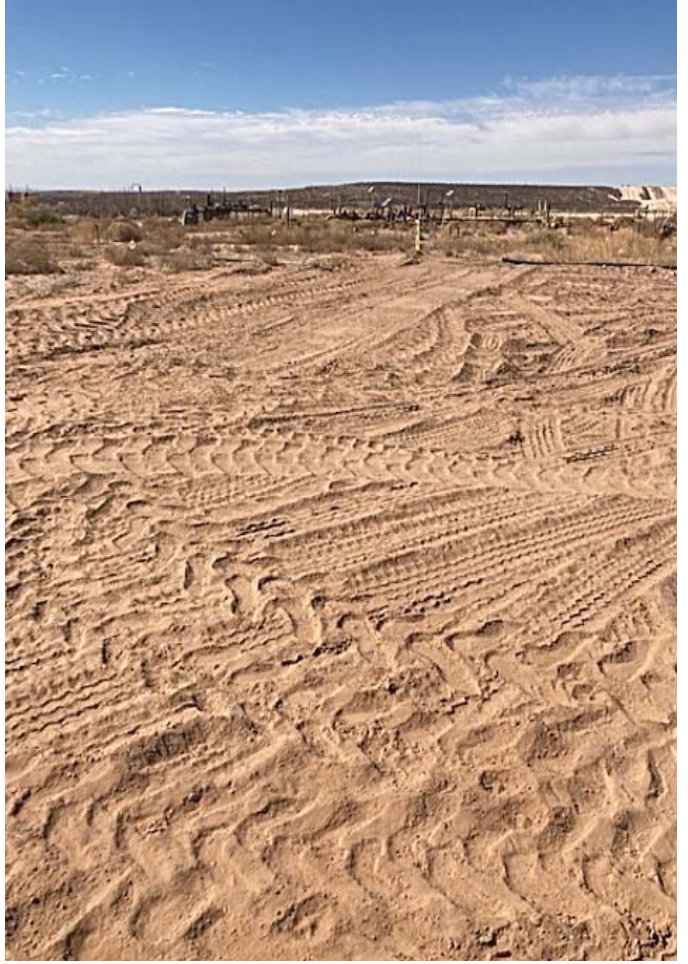
BS26, N 32.22665 W 103.98272
BS27, N 32.22664 W 103.98267
BS28, N 32.22665 W 103.98261
BS29, N 32.22661 W 103.98276
BS30, N 32.22661 W 103.98270
BS31, N 32.22661 W 103.98263
BS32, N 32.22661 W 103.98256
BS33, N 32.22660 W 103.98250
BS34, N 32.22658 W 103.98276
BS35, N 32.22657 W 103.98270
BS36, N 32.22657 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)

		Sample ID	BS1	BS2	BS3	BS4	BS5	BS6	BS7	BS8	BS9	BS10
Analyte	Method	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		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

		Sample ID	BS11	BS12	BS13	BS14	BS15	BS16	BS17	BS18	BS19	BS20
Analyte	Method	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		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

		Sample ID	BS21	BS22	BS23	BS24	BS25	BS26	BS27	BS28	BS29	BS30
Analyte	Method	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16.0	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

		Sample ID	BS31	BS32	BS33	BS34	BS35	BS35A	BS36	BS37	BS38	BS38A	BS39	BS39A	BS40
Analyte	Method	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	2/11/21	2/3/21	2/11/21	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	SM4500Cl-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)

		Sample ID	BS41	BS41A	BS42	BS43	BS44	BS45	BS46	BS47	BS48	BS49	BS50
Analyte	Method	Date	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

		Sample ID	BS51	BS52	BS53	BS54	BS55	BS56	BS57	BS58	BS59	BS60
Analyte	Method	Date	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	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

		Sample ID	BS61	BS62	BS63	BS64	BS65	BS66	BS67	BS67A	BS68	BS68A	BS69	BS69A	BS70
Analyte	Method	Date	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	2/4/21
			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		<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

		Sample ID	BS71	BS72	BS73	BS74	BS75	BS76	BS77	BS78	BS79
Analyte	Method	Date	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	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
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)

		Sample ID	SW1	SW2	SW3A	SW4	SW5	SW6	SW7	SW8	SW9	SW9A	SW10
Analyte	Method	Date	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	2/11/21	2/4/21
			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	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

		Sample ID	SW11	SW12	SW13	SW14	SW15	SW15A
Analyte	Method	Date	2/4/21	2/4/21	2/4/21	2/4/21	2/4/21	2/11/21
			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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	64.0	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	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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 3 (H210293-03)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	02/05/2021	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	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)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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
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 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received: 02/05/2021
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 6 (H210293-06)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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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 7 (H210293-07)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	02/06/2021	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	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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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 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, 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	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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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 10 (H210293-10)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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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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 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	
Chloride	112	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:

BBC International, Inc.
 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)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	02/06/2021	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	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:

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

Received: 02/05/2021
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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.
 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 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:

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 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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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 18 (H210293-18)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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, 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 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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 21 (H210293-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	02/05/2021	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	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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 26 (H210293-26)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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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Analytical Results For:

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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 27 (H210293-27)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, 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	02/05/2021	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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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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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, 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	02/05/2021	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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	464	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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 38 (H210293-38)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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
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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 40 (H210293-40)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	896	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)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	02/06/2021	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:

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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 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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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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 45 (H210293-45)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	02/05/2021	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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 46 (H210293-46)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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 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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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 81.2 % 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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	02/06/2021	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)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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, 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 82.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.2 % 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:	02/04/2021
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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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:

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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: BOTTOM 57 (H210293-57)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 60 (H210293-60)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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:

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

Received: 02/05/2021
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BOTTOM 61 (H210293-61)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.7 % 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 62 (H210293-62)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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 89.0 % 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 64 (H210293-64)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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 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
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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: BOTTOM 65 (H210293-65)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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
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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: BOTTOM 66 (H210293-66)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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, SM4500Cl-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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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)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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 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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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:

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

Received:	02/05/2021	Sampling Date:	02/04/2021
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
Chloride	176	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:

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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: 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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Analytical Results For:

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

Received: 02/05/2021
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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.
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 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, 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 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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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
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 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
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 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)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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:

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 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, SM4500Cl-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	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:

BBC International, Inc.
 Cliff Brunson
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 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	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
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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 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
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*	59.7	10.0	02/08/2021	ND	217	108	200	0.161	
EXT DRO >C28-C36	14.2	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:

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 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)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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:

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 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)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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



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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 8 (H210293-87)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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*	17.0	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 95.9 % 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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 9 (H210293-88)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	02/08/2021	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	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
 Reported: 02/09/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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

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

Received:	02/05/2021	Sampling Date:	02/04/2021
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)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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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 13 (H210293-92)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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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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, 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	02/09/2021	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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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)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	02/08/2021	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	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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: BBC INTERNATIONAL				BILL TO				ANALYSIS REQUEST																					
Project Manager: Cliff Brunson				P.O. #:				TPH BTEX Cl- EXT																					
Address: 1324 W. MARLAND				Company:																									
City: Hobbs State: NM Zip: 88240				Attn:																									
Phone #: (575) 397 6388 Fax #: (575) 397 0397				Address: Oxy																									
Project #: _____ Project Owner: Oxy				City:																									
Project Name: HARROUN 9-1 CTB				State: Zip: C																									
Project Location:				Phone #:																									
Sampler Name: Roger Hernandez				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H210293																													
1	Bottom	1	G	1				✓				✓			1-3-21	850	✓	✓	✓										
2	Bottom	2	G	1				✓				✓			1-3-21	900	✓	✓	✓										
3	Bottom	3	G	1				✓				✓			1-3-21	905	✓	✓	✓										
4	Bottom	4	G	1				✓				✓			1-3-21	915	✓	✓	✓										
5	Bottom	5	G	1				✓				✓			1-3-21	920	✓	✓	✓										
6	Bottom	6	G	1				✓				✓			1-3-21	930	✓	✓	✓										
7	Bottom	7	G	1				✓				✓			1-3-21	935	✓	✓	✓										
8	Bottom	8	G	1				✓				✓			1-3-21	945	✓	✓	✓										
9	Bottom	9	G	1				✓				✓			1-3-21	950	✓	✓	✓										
10	Bottom	10	G	1				✓				✓			1-3-21	1000	✓	✓	✓										

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Relinquished By: Roger Hernandez		Date: 2-15-21	Received By: Amara Aldatyl		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
Time: 8:32		Time: _____		All Results are emailed. Please provide Email address:		
Relinquished By:		Date: _____	Received By:		REMARKS:	
Time: _____		Time: _____				
Delivered By: (Circle One)		Observed Temp. °C 5.9	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Standard ☒ Rush ☐	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool Intact ☒ Yes ☐ No	T.O.	Thermometer ID #113	Cool Intact ☐ Yes ☐ No
					Correction Factor None	Observed Temp. °C
						Corrected Temp. °C

FORM-006 R.S. 1-06/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: <u>BBC International</u>				BILL TO				ANALYSIS REQUEST													
Project Manager:				P.O. #:				TPH BTEX CL-													
Address:				Company:																	
City: State: <u>NM</u> Zip: <u>88240</u>				Attn: <u>Oxy</u>																	
Phone #: Fax #:				Address:																	
Project #: Project Owner:				City:																	
Project Name: <u>Harroun 9-1 CTB</u>				State: Zip:																	
Project Location:				Phone #:																	
Sampler Name: <u>Roger Hernandez</u>				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME							
<u>H210293</u>																					
<u>11</u>	<u>Bottom</u>	<u>11</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1005</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>12</u>	<u>Bottom</u>	<u>12</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1015</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>13</u>	<u>Bottom</u>	<u>13</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1020</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>14</u>	<u>Bottom</u>	<u>14</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1030</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>15</u>	<u>Bottom</u>	<u>15</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1035</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>16</u>	<u>Bottom</u>	<u>16</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1045</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>17</u>	<u>Bottom</u>	<u>17</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1050</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>18</u>	<u>Bottom</u>	<u>18</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1100</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>19</u>	<u>Bottom</u>	<u>19</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1105</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				
<u>20</u>	<u>Bottom</u>	<u>20</u>	<u>1</u>			<u>✓</u>				<u>✓</u>			<u>2.3.21</u>	<u>1115</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>				

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

FORM-006 R 3.1 06/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]

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Relinquished By:		Date: 2-5-21 Time: 0832		Received By: <i>Tamara Obatake</i>		Verbal Result: ☐ Yes ☐ No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	
Relinquished By:		Date: _____ Time: _____		Received By: _____		REMARKS: _____	
Delivered By: (Circle One)		Observed Temp. °C 5.9		Sample Condition Cool Intact ☒ Yes ☐ No		CHECKED BY: (Initials) TO.	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Turnaround Time: Standard ☐ Rush ☒		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No	
				Thermometer ID #113 Correction Factor None		Corrected Temp. °C	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

FOR LAB USE ONLY				MATRIX					PRESERV.		SAMPLING																							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																				
H210293																																		
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			✓					✓		7.3.21	300	✓	✓	✓																	

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Relinquished By: <i>Roger Hernandez</i>		Date: 2-5-21	Received By: <i>Laura Aldaberto</i>		Verbal Result: ☐ Yes ☒ No Add'l Phone #:	
		Time: 0832			All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				

Delivered By: (Circle One)	Observed Temp. °C 5.9	Sample Condition Cool Intact ☒ Yes ☐ No	CHECKED BY: (Initials) YO	Turnaround Time: Standard ☒ Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☐ Yes ☒ No		Thermometer ID #113 Correction Factor None	☐ Yes ☒ No Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International				BILL TO				ANALYSIS REQUEST																			
Project Manager:				P.O. #:				TPH BTX CL																			
Address:				Company:																							
City: State: NM Zip: 88240				Attn:																							
Phone #: Fax #:				Address: Oxy																							
Project #: Project Owner:				City:																							
Project Name: Harroun 9-1 CRB				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name: Rafael Hernandez				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING															
								GROUNDWATER																			
								WASTEWATER																			
								SOIL																			
								OIL																			
								SLUDGE																			
								OTHER:																			
								ACID/BASE:																			
								ICE / COOL																			
								OTHER:																			
												DATE		TIME													
H210293																											
61 Bottom 61		G		1										2.4.21 1015		✓		✓		✓							
62 Bottom 62		G		1										2.4.21 1020		✓		✓		✓							
63 Bottom 63		G		1										2.4.21 1030		✓		✓		✓							
64 Bottom 64		G		1										2.4.21 1035		✓		✓		✓							
65 Bottom 65		G		1										2.4.21 1045		✓		✓		✓							
66 Bottom 66		G		1										2.4.21 1050		✓		✓		✓							
67 Bottom 67		G		1										2.4.21 1100		✓		✓		✓							
68 Bottom 68		G		1										2.4.21 1105		✓		✓		✓							
69 Bottom 69		G		1										2.4.21 1115		✓		✓		✓							
70 Bottom 70		G		1										2.4.21 1120		✓		✓		✓							
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Relinquished By: Rafael Hernandez				Date: 3-5-21				Received By: Amara Aldakir				Verbal Result: ☐ Yes ☐ No Add'l Phone #:															
				Time: 0832								All Results are emailed. Please provide Email address:															
Relinquished By:				Date:				Received By:				REMARKS:															
				Time:																							
Delivered By: (Circle One)				Observed Temp. °C 5.9				Sample Condition				CHECKED BY: (Initials)				Turnaround Time: Standard ☒ Rush ☐				Bacteria (only) Sample Condition							
Sampler - UPS - Bus - Other:				Corrected Temp. °C				Cool ☒ Intact ☒ Yes ☒ No ☐								Cool ☐ Intact ☐ Yes ☐ No ☐				Observed Temp. °C							
								No ☐ Yes ☐								No ☐ Yes ☐				Corrected Temp. °C							
												Thermometer ID #113 Correction Factor None															

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: BBC International				BILL TO				ANALYSIS REQUEST																			
Project Manager:				P.O. #:				TPH BTEX CL EXT																			
Address:				Company:																							
City: State: NM Zip: 88240				Attn:																							
Phone #: Fax #:				Address: Oxy																							
Project #: Project Owner:				City:																							
Project Name: HARROUN 9-1 CTB				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name: Roger Hernandez				Fax #:																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H210 293																											
71	Bottom	71	G	1		✓				✓			2.4.21	1130	✓	✓	✓										
72	Bottom	72	G	1		✓				✓			2.4.21	1135	✓	✓	✓										
73	Bottom	73	G	1		✓				✓			2.4.21	1145	✓	✓	✓										
74	Bottom	74	G	1		✓				✓			2.4.21	1150	✓	✓	✓										
75	Bottom	75	G	1		✓				✓			2.4.21	1200	✓	✓	✓										
76	Bottom	76	G	1		✓				✓			2.4.21	1205	✓	✓	✓										
77	Bottom	77	G	1		✓				✓			2.4.21	1215	✓	✓	✓										
78	Bottom	78	G	1		✓				✓			2.4.21	1220	✓	✓	✓										
79	Bottom	79	G	1		✓				✓			2.4.21	1230	✓	✓	✓										
80	Sidewell	1	G	1		✓				✓			2.4.21	1735	✓	✓	✓										

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Relinquished By: Roger Hernandez	Date: 2-5-21	Received By: Juanara Delacruz	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Time: 0832	Date:	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Observed Temp. °C 5.9	Sample Condition Cool ☒ Intact ☒ Yes ☒ No ☐	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) TP	Bacteria (only) Sample Condition Cool ☐ Intact ☐ Observed Temp. °C Yes ☐ 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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Company Name: <u>BBC International</u>				BILL TO				ANALYSIS REQUEST																			
Project Manager:				P.O. #:				TPH BTEX EXT CL-																			
Address:				Company:																							
City: State: <u>NM</u> Zip: <u>88240</u>				Attn:																							
Phone #: Fax #:				Address: <u>OKY</u>																							
Project #: Project Owner: <u>OKY</u>				City:																							
Project Name: <u>Harroun 9-1 CTB</u>				State: Zip:																							
Project Location:				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																	
						GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
<u>H210293</u>																											
<u>81</u>		<u>Sidewall</u>		<u>2</u>		<u>G</u>																					
<u>82</u>		<u>Sidewall</u>		<u>3</u>		<u>G</u>																					
<u>83</u>		<u>Sidewall</u>		<u>4</u>		<u>G</u>																					
<u>84</u>		<u>Sidewall</u>		<u>5</u>		<u>G</u>																					
<u>85</u>		<u>Sidewall</u>		<u>6</u>		<u>G</u>																					
<u>86</u>		<u>Sidewall</u>		<u>7</u>		<u>G</u>																					
<u>87</u>		<u>Sidewall</u>		<u>8</u>		<u>G</u>																					
<u>88</u>		<u>Sidewall</u>		<u>9</u>		<u>G</u>																					
<u>89</u>		<u>Sidewall</u>		<u>10</u>		<u>G</u>																					
<u>90</u>		<u>Sidewall</u>		<u>11</u>		<u>G</u>																					

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Relinquished By: <u>Roger Hernandez</u>		Date: <u>2-5-21</u>		Received By: <u>Amara Oldaker</u>		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
Time: <u>0832</u>		Time:		Time:		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:		Time:		Time:	
Delivered By: (Circle One)		Observed Temp. °C <u>5.9</u>		Sample Condition		CHECKED BY: (Initials) <u>Y.</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool ☒ Yes ☐ No Intact ☐ Yes ☐ No		Turnaround Time: Standard ☒ Rush ☐	
FORM-006 R.S. 1 00/04/20						Thermometer ID #113 Correction Factor None	
						Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No Observed Temp. °C ☐ Yes ☐ No Corrected Temp. °C ☐ Yes ☐ No	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International						BILL TO		ANALYSIS REQUEST															
Project Manager:						P.O. #:																	
Address:						Company:																	
City:		State: NA Zip: 98240				Attn:																	
Phone #:		Fax #:				Address: OXY																	
Project #:		Project Owner:				City:																	
Project Name: HAKKOUN 9-1 CTB						State: Zip: /																	
Project Location:						Phone #:																	
Sampler Name: Roger Hernandez						Fax #:																	
FOR LAB USE ONLY									PRESERV.		SAMPLING												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :														
H210293																							
91	Sidewall 12	G	1			✓				✓	2.4.21	200	✓	✓	✓								
92	Sidewall 13	C	1			✓				✓	2.4.21	205	✓	✓	✓								
93	Sidewall 14	C	1			✓				✓	2.4.21	215	✓	✓	✓								
94	Sidewall 15	C	1			✓				✓	2.4.21	220	✓	✓	✓								

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

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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/12/2021
 Reported: 02/12/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/11/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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



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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 38 A (H210372-02)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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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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 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, 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 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 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
 Reported: 02/12/2021
 Project Name: HARROUN 9-1 CTB
 Project Number: NONE GIVEN
 Project Location: OXY

Sampling Date: 02/11/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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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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 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, 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 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 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 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)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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



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: 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, 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 98.2 % 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, 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 94.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 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 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, 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 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rush!

[illegible]

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Relinquished By: _____

Relinquished By:

Date: 2.12.71

Received By:

Time: 1:25

Date: 0.54

Time:

Relinquished By:

erved Temp. °C

22

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

☒ Yes	☒ Yes
☐ No	☐ No

CHECKED BY:
(Initials)

2

Verbal Result:	☐ Yes	☐ No	Add'l Phone #:
----------------	------------------------------	-----------------------------	----------------

☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time:

Standard
Rush

☐ Bacteria (only) Sample Condition
☒ Cool Intact Observed Temp. °C
☐ Yes ☐ Yes
☐ No ☐ No Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321355104012001

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

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

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
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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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21298

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	21298	Action Type:	C-141
OCD Reviewer									Condition
chensley									None