

## Closure Report

### NAB1919156072

#### Site Description

Site Name:	HEIGHT CC 6-7 FED COM 31H
Company:	OXY
Legal Description:	U/L: L, SECTION 5, T24S, R29E
County:	EDDY COUNTY, NM
GPS Coordinates:	N32.24349 W-104.01365

#### Release Data

Date of Release:	6/19/2019
Type of Release:	PRODUCED WATER
Source of Release:	FAILURE OF LAY FLAT LINE
Volume of Release:	0 BBLS CRUDE OIL/65 BBLS PRODUCED WATER
Volume Recovered:	0 BBLS CRUDE OIL/ 64 BBLS PRODUCED WATER

#### Remediation Specifications

Remediation Parameters	OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 – SP3 and SP6 – SP7 (BLUE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP4 and SP5 (PURPLE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP8 (ORANGE shade on diagram) will be excavated to a depth of 5 feet. Bottom confirmation samples will be collected every 75 feet.
Remediation Activities:	6-18-21, 6-21-21, 10-26-21, & 11-23-21

Plan Sent to OCD:		FROM CLIFF TO BLM NM AND WADE
OCD Approval of Plan:	1/16/2020	FROM @STATE.NM.US TO WADE AND CLIFF
Plan Sent to BLM:	11/21/2019	FROM CLIFF TO SPILL@BLM AND WADE
BLM Approval of Plan:		FROM JAMOS@BLM.GOV TO WADE AND CLIFF

#### Supporting Documentation

C 141 PAGE 6		
SITE DIAGRAM	GOOGLE EARTH MAP WITH CONFIRMATION SAMPLES	
PICTURES	CLOSURE PICTURES	
LAB SUMMARY	CLOSURE SAMPLES	
LAB ANALYSIS	CLOSURE SAMPLES	
SAMPLING NOTIFICATION	10/15/2021	

#### 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.

3/21/2022

Form C-141

State of New Mexico  
Oil Conservation Division

Page 6

Incident ID	NAB1919156072
District RP	
Facility ID	
Application ID	


**Closure**

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator  
 Signature:  Date: 3-23-22  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

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

Closure Approved by: Jennifer Nobui Date: 05/02/2022  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

**julia@bbcinternational.com**

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**From:** Cliff Brunson <cbrunson@bbcinternational.com>  
**Sent:** Friday, October 15, 2021 5:12 PM  
**To:** 'Enviro, OCD, EMNRD'  
**Cc:** 'Wade Dittrich'; Ken Swinney; 'Jennifer Gilkey'; Julia French  
**Subject:** OXY - Height CC 6-7 Fed Com 31H - Sampling Notification

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Height CC 6-7 Fed Com 31H (Incident ID # NAB1919156072) on Tuesday, October 19th at 9:00 a.m.

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland St.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-Mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)




\*\*\*\*\*  
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
# Oxy, Height CC 6-7 Fed Com 31H

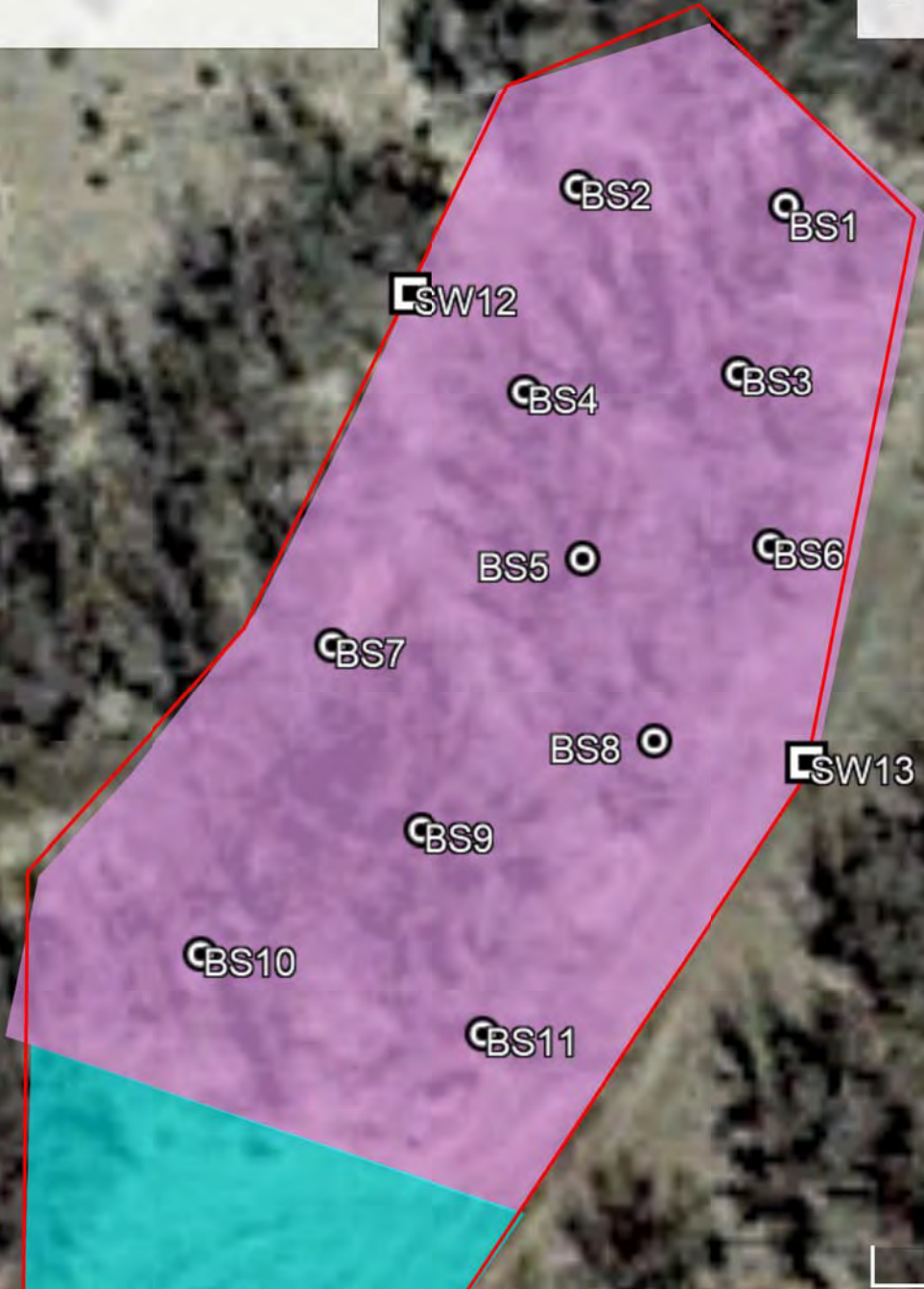
Leak Date: 6-19-19  
ID#NAB1919156072  
EDDY CO., NM

Legend

 2 ft Excavation

 BOTTOM CONFIRMATION SAMPLE POINT

 SIDEWALL CONFIRMATION SAMPLE POINT





# Oxy, Height CC 6-7 Fed Com 31H

Leak Date: 6-19-19  
ID#NAB1919156072  
EDDY CO., NM

Legend

3 ft Excavation

BOTTOM CONFIRMATION SAMPLE POINTS

SIDEWALL CONFIRMATION SAMPLE POINTS








# Oxy, Height CC 6-7 Fed Com 31H

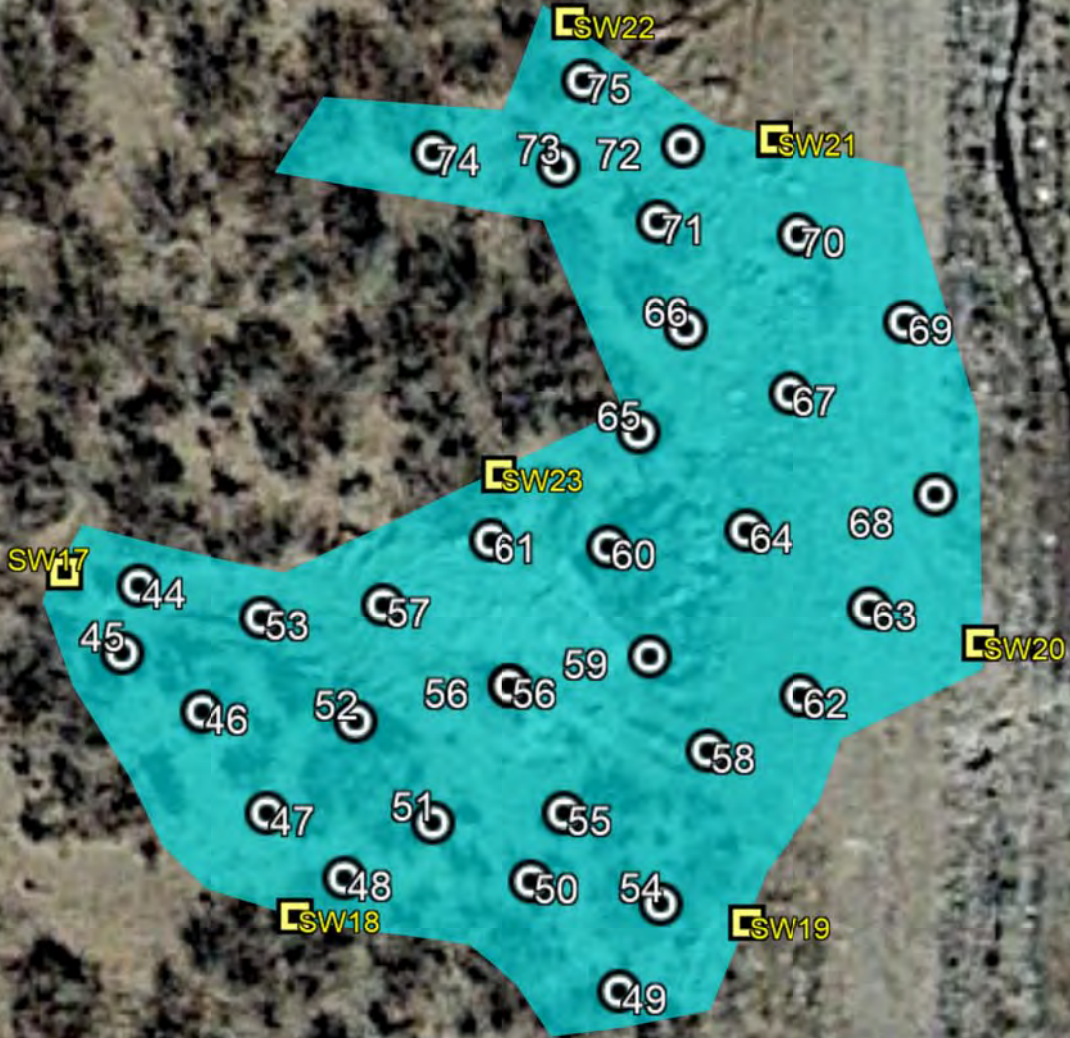
Leak Date: 6-19-19  
ID#NAB1919156072  
EDDY CO., NM

Legend

 3 ft Excavation

 BOTTOM CONFIRMATION SAMPLE POINTS

 SIDEWALL CONFIRMATION SAMPLE POINTS








# Oxy, Height CC 6-7 Fed Com 31H

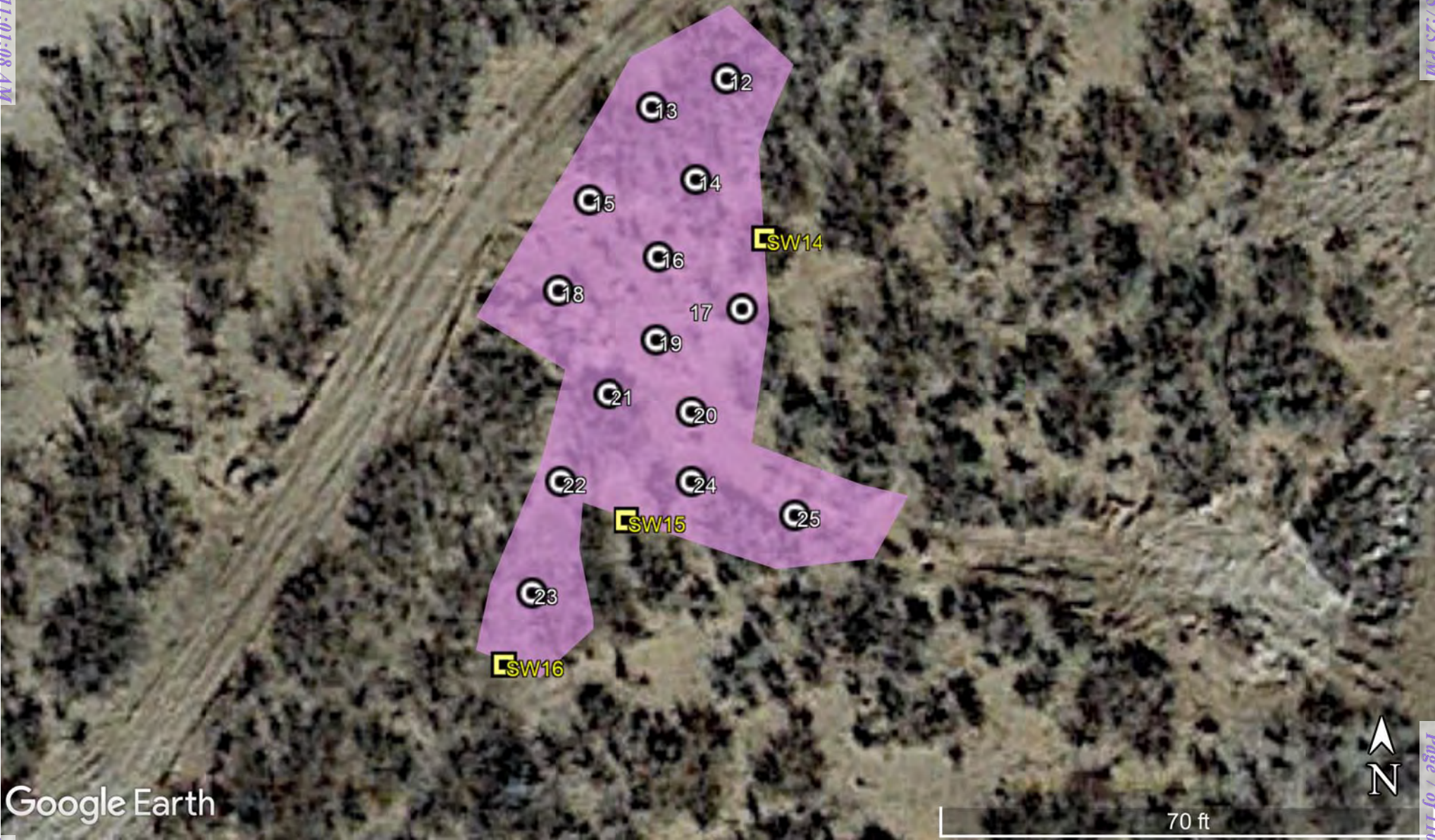
Leak Date: 6-19-19  
ID#NAB1919156072  
EDDY CO., NM

Legend

 2 ft Excavation

 BOTTOM CONFIRMATION SAMPLE POINT

 SIDEWALL CONFIRMATION SAMPLE POINT








# Oxy, Height CC 6-7 Fed Com 31H

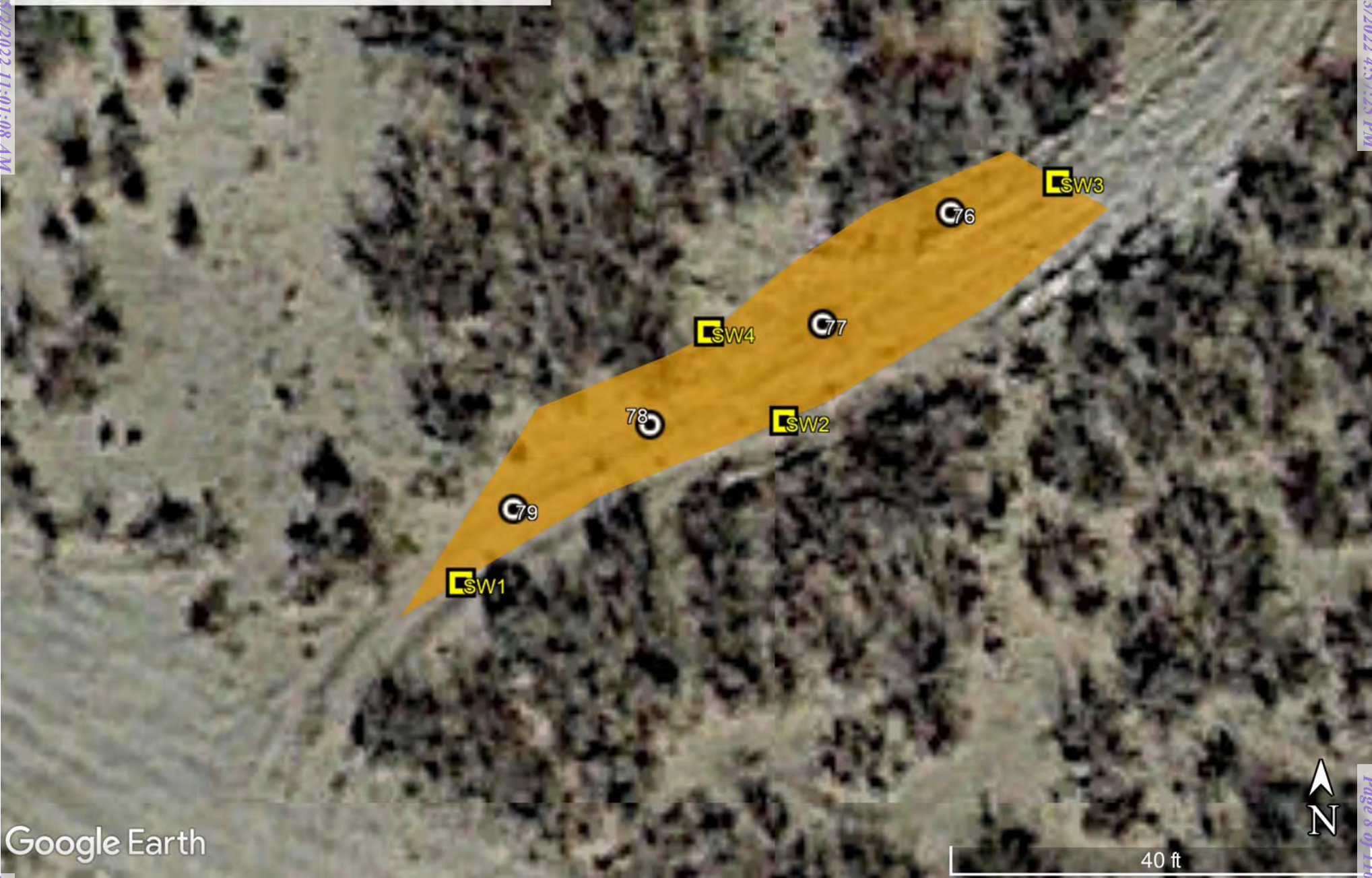
Leak Date: 6-19-19  
ID#NAB1919156072  
EDDY CO., NM

Legend

 5 ft excavation

 Bottom Confirmation Sample Point

 Sidewall Confirmation Sample Point





Oxy, Height CC 6-7 Fed Com 31H  
Leak Date 6/19/19

### Google Map Section 1 @ 2'

BOTTOM SAMPLE	1 @ 2'	N 32.243930°	W 104.013525°
BOTTOM SAMPLE	2 @ 2'	N 32.243933°	W 104.013565°
BOTTOM SAMPLE	3 @ 2'	N 32.243903°	W 104.013534°
BOTTOM SAMPLE	4 @ 2'	N 32.243900°	W 104.013575°
BOTTOM SAMPLE	5 @ 2'	N 32.243873°	W 104.013564°
BOTTOM SAMPLE	6 @ 2'	N 32.243875°	W 104.013528°
BOTTOM SAMPLE	7 @ 2'	N 32.243859°	W 104.013612°
BOTTOM SAMPLE	8 @ 2'	N 32.243840°	W 104.013559°
BOTTOM SAMPLE	9 @ 2'	N 32.243829°	W 104.013595°
BOTTOM SAMPLE	10 @ 2'	N 32.243809°	W 104.013637°
BOTTOM SAMPLE	11 @ 2'	N 32.243796°	W 104.013583°
SIDEWALL SAMPLE	12 @ 2'	N 32.243916°	W 104.013597°
SIDEWALL SAMPLE	13 @ 2'	N 32.243840°	W 104.013521°

### Google Map Section 2 @ 2'

BOTTOM SAMPLE	12 @ 2'	N 32.243621°	W 104.013669°
BOTTOM SAMPLE	13 @ 2'	N 32.243610°	W 104.013703°
BOTTOM SAMPLE	14 @ 2'	N 32.243582°	W 104.013683°
BOTTOM SAMPLE	15 @ 2'	N 32.243574°	W 104.013732°
BOTTOM SAMPLE	16 @ 2'	N 32.243552°	W 104.013700°
BOTTOM SAMPLE	17 @ 2'	N 32.243532°	W 104.013662°
BOTTOM SAMPLE	18 @ 2'	N 32.243539°	W 104.013746°
BOTTOM SAMPLE	19 @ 2'	N 32.243520°	W 104.013701°
BOTTOM SAMPLE	20 @ 2'	N 32.243492°	W 104.013685°
BOTTOM SAMPLE	21 @ 2'	N 32.243499°	W 104.013723°
BOTTOM SAMPLE	22 @ 2'	N 32.243465°	W 104.013745°
BOTTOM SAMPLE	23 @ 2'	N 32.243422°	W 104.013758°
BOTTOM SAMPLE	24 @ 2'	N 32.243465°	W 104.013685°
BOTTOM SAMPLE	25 @ 2'	N 32.243452°	W 104.013638°
SIDEWALL SAMPLE	14 @ 2'	N 32.243559°	W 104.013652°
SIDEWALL SAMPLE	15 @ 2'	N 32.243450°	W 104.013715°
SIDEWALL SAMPLE	16 @ 2'	N 32.243394°	W 104.013771°

### Google Map Section 3 @ 3'

BOTTOM SAMPLE	44 @ 3'	N 32.243441°	W 104.013568°
BOTTOM SAMPLE	45 @ 3'	N 32.243420°	W 104.013574°
BOTTOM SAMPLE	46 @ 3'	N 32.243402°	W 104.013545°
BOTTOM SAMPLE	47 @ 3'	N 32.243371°	W 104.013521°
BOTTOM SAMPLE	48 @ 3'	N 32.243351°	W 104.013493°
BOTTOM SAMPLE	49 @ 3'	N 32.243316°	W 104.013393°



BOTTOM SAMPLE	50 @ 3'	N 32.243335°	W 104.013425°
BOTTOM SAMPLE	51 @ 3'	N 32.243368°	W 104.013461°
BOTTOM SAMPLE	52 @ 3'	N 32.243399°	W 104.013489°
BOTTOM SAMPLE	53 @ 3'	N 32.243431°	W 104.013523°
BOTTOM SAMPLE	54 @ 3'	N 32.243343°	W 104.013378°
BOTTOM SAMPLE	55 @ 3'	N 32.243371°	W 104.013413°
BOTTOM SAMPLE	56 @ 3'	N 32.243410°	W 104.013433°
BOTTOM SAMPLE	57 @ 3'	N 32.243435°	W 104.013479°
BOTTOM SAMPLE	58 @ 3'	N 32.243369°	W 104.013361°
BOTTOM SAMPLE	59 @ 3'	N 32.243419°	W 104.013382°
BOTTOM SAMPLE	60 @ 3'	N 32.243453°	W 104.013397°
BOTTOM SAMPLE	61 @ 3'	N 32.243455°	W 104.013444°
BOTTOM SAMPLE	62 @ 3'	N 32.243407°	W 104.013327°
BOTTOM SAMPLE	63 @ 3'	N 32.243434°	W 104.013302°
BOTTOM SAMPLE	64 @ 3'	N 32.243458°	W 104.013347°
BOTTOM SAMPLE	65 @ 3'	N 32.243488°	W 104.013386°
BOTTOM SAMPLE	66 @ 3'	N 32.243520°	W 104.013369°
BOTTOM SAMPLE	67 @ 3'	N 32.243500°	W 104.013331°
BOTTOM SAMPLE	68 @ 3'	N 32.243469°	W 104.013278°
BOTTOM SAMPLE	69 @ 3'	N 32.243522°	W 104.013289°
BOTTOM SAMPLE	70 @ 3'	N 32.243549°	W 104.013328°
BOTTOM SAMPLE	71 @ 3'	N 32.243553°	W 104.013379°
BOTTOM SAMPLE	72 @ 3'	N 32.243576°	W 104.013370°
BOTTOM SAMPLE	73 @ 3'	N 32.243570°	W 104.013415°
BOTTOM SAMPLE	74 @ 3'	N 32.243574°	W 104.013461°
BOTTOM SAMPLE	75 @ 3'	N 32.243596°	W 104.013406°
SIDEWALL	17 @ 3'	N 32.243445°	W 104.013595°
SIDEWALL	18 @ 3'	N 32.243339°	W 104.013511°
SIDEWALL	19 @ 3'	N 32.243337°	W 104.013347°
SIDEWALL	20 @ 3'	N 32.243423°	W 104.013262°
SIDEWALL	21 @ 3'	N 32.243578°	W 104.013337°
SIDEWALL	<a href="#">22 @ 3'</a>	N 32.243614°	W 104.013411°
SIDEWALL	23 @ 3'	N 32.243475°	W 104.013437°

#### Google Map Section 4 @ 3'

BOTTOM SAMPLE	26 @ 3'	N 32.243383°	W 104.013931°
BOTTOM SAMPLE	27 @ 3'	N 32.243366°	W 104.013959°
BOTTOM SAMPLE	28 @ 3'	N 32.243332°	W 104.013992°
BOTTOM SAMPLE	29 @ 3'	N 32.243428°	W 104.013928°
BOTTOM SAMPLE	30 @ 3'	N 32.243469°	W 104.013894°
BOTTOM SAMPLE	31 @ 3'	N 32.243497°	W 104.013861°
BOTTOM SAMPLE	32 @ 3'	N 32.243535°	W 104.013815°
BOTTOM SAMPLE	33 @ 3'	N 32.243564°	W 104.013790°
BOTTOM SAMPLE	34 @ 3'	N 32.243579°	W 104.013764°
BOTTOM SAMPLE	35 @ 3'	N 32.243592°	W 104.013789°
BOTTOM SAMPLE	36 @ 3'	N 32.243599°	W 104.013747°



BOTTOM SAMPLE	37 @ 3'	N 32.243621°	W 104.013750°
BOTTOM SAMPLE	38 @ 3'	N 32.243649°	W 104.013708°
BOTTOM SAMPLE	39 @ 3'	N 32.243675°	W 104.013703°
BOTTOM SAMPLE	40 @ 3'	N 32.243683°	W 104.013654°
BOTTOM SAMPLE	41 @ 3'	N 32.243729°	W 104.013651°
BOTTOM SAMPLE	42 @ 3'	N 32.243754°	W 104.013618°
SIDEWALL	5 @ 3'	N 32.243452°	W 104.013869°
SIDEWALL	6 @ 3'	N 32.243392°	W 104.013975°
SIDEWALL	7 @ 3'	N 32.243517°	W 104.013870°
SIDEWALL	8 @ 3'	N 32.243546°	W 104.013769°
SIDEWALL	<a href="#">9 @ 3'</a>	N 32.243643°	W 104.013750°
SIDEWALL	10 @ 3'	N 32.243694°	W 104.013633°
SIDEWALL	11 @ 3'	N 32.243783°	W 104.013622°

## Google Map Section 5 @ 5'

BOTTOM SAMPLE	76 @ 5'	N 32.243310°	W 104.014037°
BOTTOM SAMPLE	77 @ 5'	N 32.243281°	W 104.014076°
BOTTOM SAMPLE	78 @ 5'	N 32.243255°	W 104.014129°
BOTTOM SAMPLE	79 @ 5'	N 32.243233°	W 104.014171°
SIDEWALL	1 @ 5'	N 32.243214°	W 104.014187°
SIDEWALL	2 @ 5'	N 32.243256°	W 104.014088°
SIDEWALL	3 @ 5'	N 32.243318°	W 104.014004°
SIDEWALL	4 @ 5'	N 32.243279°	W 104.014111°



HEIGHT CC 6-7 FED COM 31H

LEAK DATE 6/19/19

SAMPLE DATE 11/5/21

BOTTOM 3A@3'	32.243897°	-104.013544°
BOTTOM 4A@3'	32.243798°	-104.013636°
BOTTOM 51A@4'	32.243360°	-104.013481°
BOTTOM 65A@4'	32.243453°	-104.013394°



HEIGHT CC 6-7 FED COM 31H

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[illegible]

		Sample ID	BOTTOM 60 @ 3	BOTTOM 61 @ 3	BOTTOM 62 @ 3	BOTTOM 63 @ 3	BOTTOM 64 @ 3	BOTTOM 65 @ 3	BOTTOM 66 @ 3	BOTTOM 67 @ 3	BOTTOM 68 @ 3	BOTTOM 69 @ 3	BOTTOM 70 @ 3	BOTTOM 71 @ 3	BOTTOM 72 @ 3	BOTTOM 73 @ 3	BOTTOM 74 @ 3	BOTTOM 75 @ 3
Analyte	Method	Date	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/19/21	10/20/21	10/20/21	10/20/21
			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	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	<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	<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	<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	<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	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		96.0	80.0	64.0	80.0	64.0	1150	160	64.0	96.0	64.0	112	80.0	64.0	224	224	240
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	<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	<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	<10.0	<10.0	<10.0

		Sample ID	BOTTOM 76 @ 5	BOTTOM 77 @ 5	BOTTOM 78 @ 5	BOTTOM 79 @ 5
Analyte	Method	Date	10/20/21	10/20/21	10/20/21	10/20/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		208	304	208	256
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SIDEWALL 1	SIDEWALL 2	SIDEWALL 3	SIDEWALL 4	SIDEWALL 5	SIDEWALL 6	SIDEWALL 7	SIDEWALL 8	SIDEWALL 9	SIDEWALL 10	SIDEWALL 11	SIDEWALL 12	SIDEWALL 13	SIDEWALL 14	SIDEWALL 15	SIDEWALL 16
Analyte	Method	Date	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21
			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	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	<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	<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	<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	<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	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		144	208	256	288	224	272	256	304	256	288	240	192	240	288	208	272
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	<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	<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	<10.0	<10.0	<10.0



		Sample ID	SIDEWALL 17	SIDEWALL 18	SIDEWALL 19	SIDEWALL 20	SIDEWALL 21	SIDEWALL 22	SIDEWALL 23
Analyte	Method	Date	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21	10/20/21
			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
Toluene	BTEX 8021B		<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
Total Xylenes	BTEX 8021B		<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
Chloride	SM4500Cl-B		240	224	192	256	208	256	256
GRO	TPH 8015M		<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
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	BOTTOM 3A@3'	BOTTOM 4A@3'	BOTTOM 51A @4'	BOTTOM 65A@4'
Analyte	Method	Date	11/11/21	11/11/21	11/11/21	11/11/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0





HEIGHT CC 6-7 FED COM 31H  
6-19-19





HEIGHT CC 6-7 FED COM 31H  
6-19-19





HEIGHT CC 6-7 FED COM 31H  
6-19-19



HEIGHT CC 6-7 FED COM 31H  
6-19-19







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

---

November 12, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HEIGHT CC 6-7 FED COM 31H

Enclosed are the results of analyses for samples received by the laboratory on 11/09/21 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/09/2021	Sampling Date:	11/05/2021
Reported:	11/12/2021	Sampling Type:	Soil
Project Name:	HEIGHT CC 6-7 FED COM 31H	Sampling Condition:	Cool & Intact
Project Number:	6-19-19	Sample Received By:	Tamara Oldaker
Project Location:	OXY-EDDY CO, NM		

**Sample ID: BOTTOM 3 A @ 3' (H213175-01)**

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	11/11/2021	ND	2.02	101	2.00	3.32		
Toluene*	<0.050	0.050	11/11/2021	ND	1.88	94.1	2.00	4.08		
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.89	94.5	2.00	3.09		
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.78	96.3	6.00	3.11		
Total BTEX	<0.300	0.300	11/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

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	11/11/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	215	107	200	0.786	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	211	106	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.3 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/09/2021	Sampling Date:	11/05/2021
Reported:	11/12/2021	Sampling Type:	Soil
Project Name:	HEIGHT CC 6-7 FED COM 31H	Sampling Condition:	Cool & Intact
Project Number:	6-19-19	Sample Received By:	Tamara Oldaker
Project Location:	OXY-EDDY CO, NM		

**Sample ID: BOTTOM 4 A @ 3' (H213175-02)**

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	11/11/2021	ND	2.02	101	2.00	3.32		
Toluene*	<0.050	0.050	11/11/2021	ND	1.88	94.1	2.00	4.08		
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.89	94.5	2.00	3.09		
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.78	96.3	6.00	3.11		
Total BTX	<0.300	0.300	11/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

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	11/11/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	215	107	200	0.786	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	211	106	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					

Surrogate: 1-Chlorooctane 55.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 53.0 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/09/2021	Sampling Date:	11/05/2021
Reported:	11/12/2021	Sampling Type:	Soil
Project Name:	HEIGHT CC 6-7 FED COM 31H	Sampling Condition:	Cool & Intact
Project Number:	6-19-19	Sample Received By:	Tamara Oldaker
Project Location:	OXY-EDDY CO, NM		

**Sample ID: BOTTOM 51 A @ 4' (H213175-03)**

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	11/11/2021	ND	2.02	101	2.00	3.32		
Toluene*	<0.050	0.050	11/11/2021	ND	1.88	94.1	2.00	4.08		
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.89	94.5	2.00	3.09		
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.78	96.3	6.00	3.11		
Total BTX	<0.300	0.300	11/11/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

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	11/11/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	215	107	200	0.786	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	211	106	200	0.859	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					

Surrogate: 1-Chlorooctane 61.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.0 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/09/2021	Sampling Date:	11/05/2021
Reported:	11/12/2021	Sampling Type:	Soil
Project Name:	HEIGHT CC 6-7 FED COM 31H	Sampling Condition:	Cool & Intact
Project Number:	6-19-19	Sample Received By:	Tamara Oldaker
Project Location:	OXY-EDDY CO, NM		

**Sample ID: BOTTOM 65 A @ 4' (H213175-04)**

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	11/11/2021	ND	2.02	101	2.00	3.32	
Toluene*	<0.050	0.050	11/11/2021	ND	1.88	94.1	2.00	4.08	
Ethylbenzene*	<0.050	0.050	11/11/2021	ND	1.89	94.5	2.00	3.09	
Total Xylenes*	<0.150	0.150	11/11/2021	ND	5.78	96.3	6.00	3.11	
Total BTX	<0.300	0.300	11/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

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	11/11/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2021	ND	218	109	200	0.795	
DRO >C10-C28*	<10.0	10.0	11/11/2021	ND	203	101	200	0.697	
EXT DRO >C28-C36	<10.0	10.0	11/11/2021	ND					

Surrogate: 1-Chlorooctane 70.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.5 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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

---

Celey D. Keene, Lab Director/Quality Manager





## ORDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

---

October 26, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HEIGHT 6-7

Enclosed are the results of analyses for samples received by the laboratory on 10/21/21 14:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 1 @ 2 (H212972-01)**

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	10/22/2021	ND	2.11	105	2.00	6.45	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91	
Total BTEX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/22/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2021	ND	208	104	200	14.1	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	259	129	200	6.87	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.2 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 2 @ 2 (H212972-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	6.45		
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/22/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 3 @ 2 (H212972-03)**

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	10/22/2021	ND	2.11	105	2.00	6.45		
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	10/22/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 4 @ 2 (H212972-04)**

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	10/22/2021	ND	2.11	105	2.00	6.45		
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91		
Total BTX	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	10/22/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 5 @ 2 (H212972-05)**

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	10/22/2021	ND	2.11	105	2.00	6.45		
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/22/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 6 @ 2 (H212972-06)**

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	10/22/2021	ND	2.11	105	2.00	6.45	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/22/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 7 @ 2 (H212972-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	6.45	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 8 @ 2 (H212972-08)**

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	10/22/2021	ND	2.11	105	2.00	6.45	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 9 @ 2 (H212972-09)**

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	10/22/2021	ND	2.11	105	2.00	6.45	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 10 @ 2 (H212972-10)**

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	10/22/2021	ND	2.11	105	2.00	6.45	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.4 % 38.9-142

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**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 11 @ 2 (H212972-11)**

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	10/22/2021	ND	2.11	105	2.00	6.45		
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.4 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 12 @ 2 (H212972-12)**

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	10/22/2021	ND	2.11	105	2.00	6.45	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.975	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.11	105	2.00	2.91	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.35	106	6.00	3.91	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 13 @ 2 (H212972-13)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 98.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 14 @ 2 (H212972-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.0 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 15 @ 2 (H212972-15)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 16 @ 2 (H212972-16)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 17 @ 2 (H212972-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 18 @ 2 (H212972-18)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTEX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/22/2021	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	10/22/2021	ND	229	115	200	2.41	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	252	126	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.9 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 19 @ 2 (H212972-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 20 @ 2 (H212972-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 21 @ 2 (H212972-21)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.5 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 22 @ 2 (H212972-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.2 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 23 @ 2 (H212972-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.3 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 24 @ 2 (H212972-24)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 25 @ 2 (H212972-25)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 26 @ 3 (H212972-26)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTEX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/22/2021	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.8 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 27 @ 3 (H212972-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 28 @ 3 (H212972-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14		
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.6 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 29 @ 3 (H212972-29)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.8 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 30 @ 3 (H212972-30)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 31 @ 3 (H212972-31)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 32 @ 3 (H212972-32)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	1.93	96.5	2.00	2.14	
Toluene*	<0.050	0.050	10/22/2021	ND	2.00	100	2.00	0.0398	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.97	98.6	2.00	0.986	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.94	99.0	6.00	1.32	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.9 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 33 @ 3 (H212972-33)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/22/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.53	92.2	6.00	4.90		
Total BTX	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 34 @ 3 (H212972-34)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/22/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	5.53	92.2	6.00	4.90		
Total BTX	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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 Fax To: (575) 397-0397

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 35 @ 3 (H212972-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.7 % 38.9-142

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 36 @ 3 (H212972-36)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTX	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 72.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.0 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 37 @ 3 (H212972-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.8 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 38 @ 3 (H212972-38)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTX	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	218	109	200	1.20	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	231	115	200	0.529	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.2 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 39 @ 3 (H212972-39)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.2 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 40 @ 3 (H212972-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 41 @ 3 (H212972-41)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTX	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.1 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 42 @ 3 (H212972-42)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 43 @ 3 (H212972-43)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTX	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 44 @ 3 (H212972-44)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.9 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 45 @ 3 (H212972-45)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.8 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 46 @ 3 (H212972-46)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/22/2021	ND	432	108	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 47 @ 3 (H212972-47)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEX	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/22/2021	ND	400	100	400	3.92	QM-07, QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.2 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 48 @ 3 (H212972-48)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 49 @ 3 (H212972-49)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.9 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 50 @ 3 (H212972-50)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.1 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 51 @ 3 (H212972-51)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTX	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.1 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 52 @ 3 (H212972-52)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2021	ND	1.88	94.1	2.00	2.95		
Toluene*	<0.050	0.050	10/23/2021	ND	1.89	94.6	2.00	3.26		
Ethylbenzene*	<0.050	0.050	10/23/2021	ND	1.85	92.6	2.00	4.33		
Total Xylenes*	<0.150	0.150	10/23/2021	ND	5.53	92.2	6.00	4.90		
Total BTEx	<0.300	0.300	10/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.1 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 53 @ 3 (H212972-53)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.1 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 54 @ 3 (H212972-54)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 94.5 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 55 @ 3 (H212972-55)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 56 @ 3 (H212972-56)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/22/2021	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	10/22/2021	ND	233	116	200	0.553	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	254	127	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.7 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 57 @ 3 (H212972-57)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	2.13	106	2.00	0.604		
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/22/2021	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	10/23/2021	ND	221	111	200	2.47	
DRO >C10-C28*	<10.0	10.0	10/23/2021	ND	213	107	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	10/23/2021	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 58 @ 3 (H212972-58)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/22/2021	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	10/23/2021	ND	221	111	200	2.47	
DRO >C10-C28*	<10.0	10.0	10/23/2021	ND	213	107	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	10/23/2021	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.2 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 59 @ 3 (H212972-59)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.5 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 60 @ 3 (H212972-60)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.2 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 61 @ 3 (H212972-61)**

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	10/22/2021	ND	2.13	106	2.00	0.604		
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588		
Total BTX	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.1 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 62 @ 3 (H212972-62)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.9 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 63 @ 3 (H212972-63)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.0 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 64 @ 3 (H212972-64)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.2 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 65 @ 3 (H212972-65)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.6 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 66 @ 3 (H212972-66)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/22/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.1 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 67 @ 3 (H212972-67)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/25/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.8 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 68 @ 3 (H212972-68)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/25/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.8 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 69 @ 3 (H212972-69)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/25/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 70.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.5 % 38.9-142

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 70 @ 3 (H212972-70)**

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	10/22/2021	ND	2.13	106	2.00	0.604	
Toluene*	<0.050	0.050	10/22/2021	ND	2.08	104	2.00	0.517	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.03	102	2.00	0.830	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.18	103	6.00	0.588	
Total BTX	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/25/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.2 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 71 @ 3 (H212972-71)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/22/2021	ND	2.16	108	2.00	8.01		
Toluene*	<0.050	0.050	10/22/2021	ND	2.09	105	2.00	8.21		
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.04	102	2.00	9.36		
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.22	104	6.00	8.84		
Total BTEx	<0.300	0.300	10/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.3 % 38.9-142

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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: 10/21/2021  
 Reported: 10/26/2021  
 Project Name: HEIGHT 6-7  
 Project Number: ( 6-19-19 )  
 Project Location: OXY - NEW MEXICO

Sampling Date: 10/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM 72 @ 3 (H212972-72)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/22/2021	ND	2.16	108	2.00	8.01	
Toluene*	<0.050	0.050	10/22/2021	ND	2.09	105	2.00	8.21	
Ethylbenzene*	<0.050	0.050	10/22/2021	ND	2.04	102	2.00	9.36	
Total Xylenes*	<0.150	0.150	10/22/2021	ND	6.22	104	6.00	8.84	
Total BTEx	<0.300	0.300	10/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/25/2021	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	10/22/2021	ND	229	114	200	2.45	
DRO >C10-C28*	<10.0	10.0	10/22/2021	ND	245	122	200	4.83	
EXT DRO >C28-C36	<10.0	10.0	10/22/2021	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager

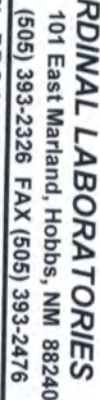


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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page





## ARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.  
Project Manager: Cliff Brunson  
Address: P.O. Box 805  
City: Hobbs  
Phone #: 575-397-6388  
Project #: 575-397-0397  
Project Name: HEIGHT 6-7 (6-19-19)  
Project Location: NEW MEXICO  
Sample Name: ROGER HERNANDEZ

P.O. #:   
Company:   
Attn:   
Address:   
City:   
State:   
Phone #:   
Fax #:

## BILL TO

## ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPHEX
412972	BOTTOM 31 @ 3												10/19/21	12:05PM			
	BOTTOM 32 @ 3												10/19/21	12:10PM			
	BOTTOM 33 @ 3												10/19/21	12:15PM			
	BOTTOM 34 @ 3												10/19/21	12:20PM			
	BOTTOM 35 @ 3												10/19/21	12:25PM			
	BOTTOM 36 @ 3												10/19/21	12:30PM			
	BOTTOM 37 @ 3												10/19/21	12:35PM			
	BOTTOM 38 @ 3												10/19/21	12:40PM			
	BOTTOM 39 @ 3												10/19/21	12:45PM			
	BOTTOM 40 @ 3												10/19/21	12:50PM			

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Relinquished By: *R. Hernandez* Date: *10/20/21* Time: *10:20*  
Received By: *J. G. G. G.* Date: *10/21/21* Time: *4:10*

Delivered By: (Circle One) *-5.40* *10-0-0.50*  
Sampler - UPS - Bus - Other: *-5.40* *10/21/21*

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

Phone Result: ☐ Yes ☐ No Add'l Phone #:   
Fax Result: ☐ Yes ☐ No Add'l Fax #:   
REMARKS:





**ARDINAL LABORATORIES**  
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## BILL TO

## ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: HEIGHT 6-7 (6-19-19)

Project Location: NEW MEXICO

Sampler Name: ROGER HERNANDEZ

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H212972

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	CL	BTEX	TPH	EXT
41	BOTTOM 41 @ 3			GROUNDWATER			10/19/21	12:55PM	✓	✓	✓	✓
42	BOTTOM 42 @ 3			WASTEWATER			10/19/21	1:00PM	✓	✓	✓	✓
43	BOTTOM 43 @ 3			SOIL			10/19/21	1:05PM	✓	✓	✓	✓
44	BOTTOM 44 @ 3			OIL			10/19/21	1:10PM	✓	✓	✓	✓
45	BOTTOM 45 @ 3			SLUDGE			10/19/21	1:15PM	✓	✓	✓	✓
46	BOTTOM 46 @ 3			OTHER :			10/19/21	1:20PM	✓	✓	✓	✓
47	BOTTOM 47 @ 3			ACID/BASE:			10/19/21	1:25PM	✓	✓	✓	✓
48	BOTTOM 48 @ 3			ICE / COOL			10/19/21	1:30PM	✓	✓	✓	✓
49	BOTTOM 49 @ 3			OTHER :			10/19/21	1:35PM	✓	✓	✓	✓
50	BOTTOM 50 @ 3						10/19/21	1:40PM	✓	✓	✓	✓

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Relinquished By: *R. Hernandez*

Date: 10/20/21  
Time: 10:20:21

Received By: *J. Gentry*

Date: 10/21/21  
Time: 10:21/21

Received By: *J. Gentry*

Date: 10/21/21  
Time: 10:21/21

Received By: *J. Gentry*

Date: 10/21/21  
Time: 10:21/21

Received By: *J. Gentry*

Date: 10/21/21  
Time: 10:21/21

Received By: *J. Gentry*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

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## ARDINAL LABORATORIES

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: HEIGHT 6-7 (6-19-19)

Project Location: NEW MEXICO

Sampler Name: ROGER HERNANDEZ

FOR LAB USE ONLY

## BILL TO

## ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Lab I.D. Sample I.D.

HA212912

51 BOTTOM 51 @ 3

52 BOTTOM 52 @ 3

53 BOTTOM 53 @ 3

54 BOTTOM 54 @ 3

55 BOTTOM 55 @ 3

56 BOTTOM 56 @ 3

57 BOTTOM 57 @ 3

58 BOTTOM 58 @ 3

59 BOTTOM 59 @ 3

60 BOTTOM 60 @ 3

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME

10/19/21 1:45PM

10/19/21 1:50PM

10/19/21 1:55PM

10/19/21 2:00PM

10/19/21 2:05PM

10/19/21 2:10PM

10/19/21 2:15PM

10/19/21 2:20PM

10/19/21 2:25PM

10/19/21 2:30PM

CL  
BTEX  
TPH EXH

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Relinquished By:

Date: 10-20-21

Received By:

Relinquished By: Roger Hernandez

Date: 10-21-21

Received By: J. Garcia

Delivered By: (Circle One)

-54°C (-0.5°C)

Sample Condition: Cool Intact

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

-54.9°C #113

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

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

Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:





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

<b>Company Name:</b> BBC International, Inc.		<b>P.O. #:</b>		<b>BILL TO</b>																			
<b>Project Manager:</b> Cliff Brunson		<b>Company:</b> <i>POI</i>		<b>ANALYSIS REQUEST</b>																			
<b>Address:</b> P.O. Box 805		<b>Attn:</b>																					
<b>City:</b> Hobbs		<b>State:</b> NM <b>zip:</b> 88241																					
<b>Phone #:</b> 575-397-6388		<b>Fax #:</b> 575-397-0397																					
<b>Project #:</b>		<b>Project Owner:</b> Oxy																					
<b>Project Name:</b> HEIGHT 6-7 (6-19-19)		<b>City:</b> <i>Oxy</i>																					
<b>Project Location:</b> NEW MEXICO		<b>State:</b>																					
<b>Sampler Name:</b> ROGER HERNANDEZ		<b>Phone #:</b>																					
<b>FOR LAB USE ONLY</b>		<b>Fax #:</b>																					
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>													
<i>H212912</i>																							
<i>61</i>	BOTTOM 61 @ 3	<i>6</i>										<i>CL</i>											
<i>62</i>	BOTTOM 62 @ 3											<i>BTEX</i>											
<i>63</i>	BOTTOM 63 @ 3											<i>TPH EXT</i>											
<i>64</i>	BOTTOM 64 @ 3																						
<i>65</i>	BOTTOM 65 @ 3																						
<i>66</i>	BOTTOM 66 @ 3																						
<i>67</i>	BOTTOM 67 @ 3																						
<i>68</i>	BOTTOM 68 @ 3																						
<i>69</i>	BOTTOM 69 @ 3																						
<i>70</i>	BOTTOM 70 @ 3																						
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																							
<b>Relinquished By:</b> <i>Roger Hernandez</i>		<b>Date:</b> <i>10/10/21</i>		<b>Received By:</b> <i>A. Becker</i>		<b>Time:</b> <i>10:10</i>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Phone #:</b>		<b>REMARKS:</b>											
<b>Relinquished By:</b>		<b>Date:</b>		<b>Received By:</b>		<b>Time:</b>		<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Fax #:</b>													
<b>Delivered By:</b> (Circle One) <i>-5.42/-0.05</i>		<b>Time:</b> <i>1440</i>		<b>Sample Condition:</b> <i>Intact</i>		<b>CHECKED BY:</b> <i>VB</i>																	
<b>Sampler - UPS - Bus - Other:</b>		<b>State:</b>		<b>City:</b>		<b>State:</b>																	

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*10/21/21*





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 82 of 82

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 92728

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 92728
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note this site is in high karst territory and DTW is 36 ft bgs 0.19 miles from site measured in 2013. Chloride criteria would be 600 mg/kg. OCD has some flexibility in confirmation samples, however, in the future you can consider 1,150 mg/kg chloride to be too high to be left in place.	5/2/2022