

# Closure Report

## ID#: nKJ1603528944

### Site Description

Site Name:	SOUTH HOBBS UNIT #177
Company:	Oxy USA, Inc.
Legal Description:	U/D ,S 5, 19S ,38E,
County:	LEA
GPS Coordinates:	N 32.69482, W-103.17735

### Release Data

Date of Release:	12/19/2013
Type of Release:	OIL, PRODUCED WATER
Source of Release:	INTENAL CORROSION ON A FLOWLINE
Volume of Release:	2 BBLS OIL, 526 BBLS WATER
Volume Recovered:	0BBLS OIL,170BBLS WATER

### Remediation Specifications

Remediation Parameters:	This site is listed on the Agreed Compliance Order of 4/5/19. This site had previously been remediated but apparently no paperwork exists on the NMOCD website for closure verification. Therefore, OXY is submitting documentation that verifies remediation was conducted and completed. When conducting confirmation sampling it was discovered some areas required additional excavation then additional confirmation sampling. OXY is requesting closure of this site.

Plan Sent to OCD:		3/6/2014
OCD Approval of Plan:		3/10/2014
Plan Sent to BLM:		
BLM Approval of Plan:		

### Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Closure photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 7/11/23,7/14/23,7/24/23,8/22/23	
Notifications		

### Request for Closure

Based on the completion of the remediation, OXY requests closure approval from the NMOCD.
Cliff P. Brunson President, BBC International, Inc.
8/24/2023

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	nKJ1603528944
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: 8-23-23  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: Shelly Wells Date: 8/25/2023

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: Ashley Maxwell Date: 09/01/2023  
Printed Name: Ashley Maxwell Title: Environmental Specialist

**From:** [Cliff P. Brunson](#)  
**To:** [Geoffrey Leking](#)  
**Cc:** [C.J. Summers](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)  
**Subject:** OXY-SHU #177-Remediation Plan  
**Date:** Saturday, March 8, 2014 5:44:00 PM  
**Attachments:** [Remediation Packet, SHU #177.pdf](#)

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Geoff,

This e-mail is to confirm our conversation on March 6, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 6 inches across the entire leak area as depicted on the attached site diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

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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\*\*\*\*\*

**From:** [Leking, Geoffrey R, EMNRD](#)  
**To:** [Cliff P. Brunson](#)  
**Cc:** [C J Summers](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#)  
**Subject:** RE: OXY-SHU #177-Remediation Plan  
**Date:** Monday, March 10, 2014 8:49:33 AM

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Cliff

As per the below email and attachment as well as our meeting of 3/6/14, the remediation plan for the SHU #177 is approved.

Geoffrey Leking  
Environmental Specialist  
NMOCD-Hobbs  
1625 N. French Drive  
Hobbs, NM 88240  
Office: (575) 393-6161 Ext. 113  
Cell: (575) 399-2990  
email: [geoffreyr.leting@state.nm.us](mailto:geoffreyr.leting@state.nm.us)

---

**From:** Cliff P. Brunson [mailto:[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)]  
**Sent:** Saturday, March 08, 2014 5:44 PM  
**To:** Leking, Geoffrey R, EMNRD  
**Cc:** C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis  
**Subject:** OXY-SHU #177-Remediation Plan

Geoff,

This e-mail is to confirm our conversation on March 6, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Oxy will excavate to a depth of 6 inches across the entire leak area as depicted on the attached site diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

Thanks, Cliff

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



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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	South Hobbs Unit #177	Facility Type	Production
Surface Owner	State	Mineral Owner	Oxy Permian
		API No.	30-025-28975

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	5	19S	38E	592	North	416	West	Lea County, NM

Latitude N 32.69482° Longitude W 103.17735°

#### NATURE OF RELEASE

Type of Release	Oil and produced water	Volume of Release	2 bbls oil, 526 bbls produced water	Volume Recovered	170 bbls produced water
Source of Release	Internal corrosion on a flowline	Date and Hour of Occurrence	12/19/2013 @ 8:30 am	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking, NMOCD		
By Whom?	Tony Aguilar	Date and Hour	12/19/2013 @ 10:25 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*

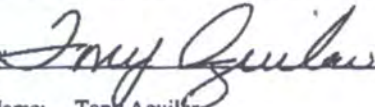
Describe Cause of Problem and Remedial Action Taken.\*

Internal corrosion on a flowline caused 2 bbls of oil and 526 bbls of produced water to leak onto the ground. 170 bbls of produced water were recovered via vacuum truck and the line was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.\*

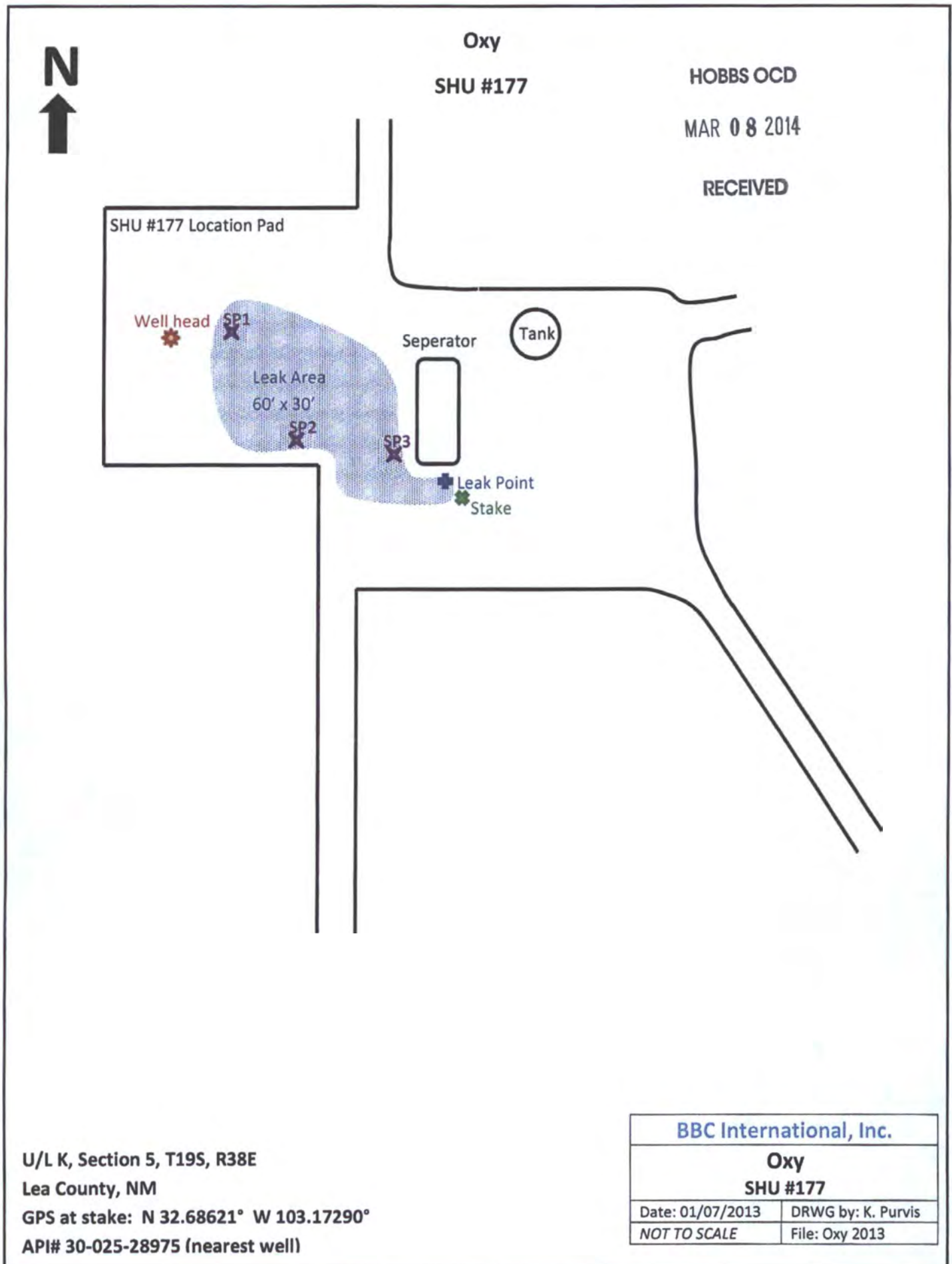
The area affected was approximately 150' x 150' and did leave location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.

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

Signature: 	Appr	<b>APPROVED</b>
Printed Name: Tony Aguilar		
Title: HES Specialist	Approval Date: 2/14/16	
E-mail Address: Raymon_Aguilar@oxy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-2-14	Phone: (575) 397-8251	

\* Attach Additional Sheets If Necessary

128-4145







## Section Quarters

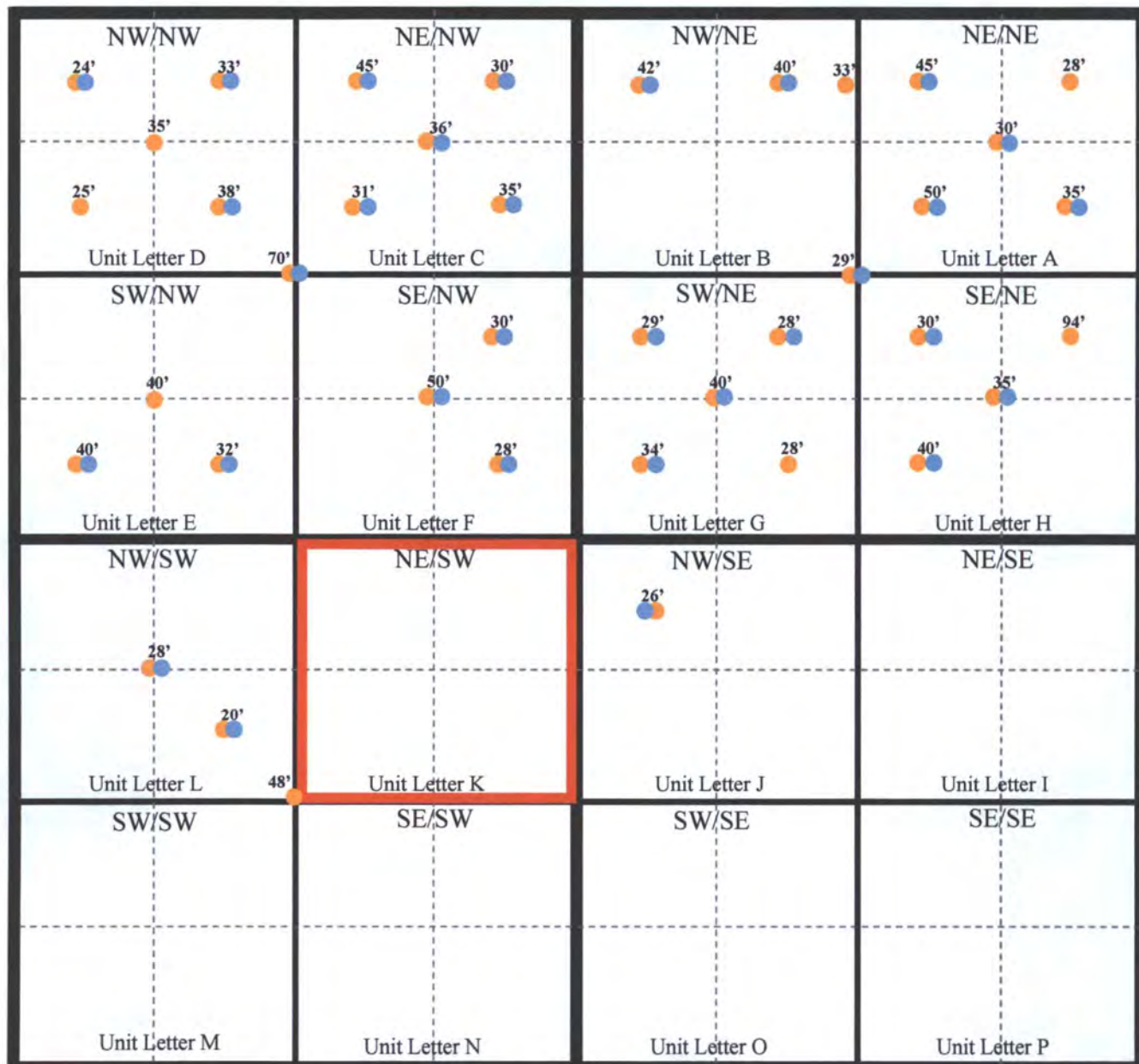
## Oxy SHU #177

County  
LeaUnit Letter  
KSection  
5Township  
19SRange  
38E

## Trend Map &lt;50'

1

2



3

4

Location

OCD

USGS

SEO

All Databases

Laboratory Analytical Results Summary  
SHU #177

Analyte	Method	Sample	
		SP1 @ 1'	SP1 @ 2'
		Date	2/10/14
		mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		224
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Analyte	Method	Sample	
		SP2 @ 1'	SP2 @ 2'
		Date	2/10/14
		mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		288
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

Analyte	Method	Sample	
		SP3 @ 1'	SP3 @ 2'
		Date	2/10/14
		mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		192
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0





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

February 14, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHU #177

Enclosed are the results of analyses for samples received by the laboratory on 02/10/14 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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: 02/10/2014  
 Reported: 02/14/2014  
 Project Name: SHU #177  
 Project Number: NONE GIVEN  
 Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1 (H400410-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.11	106	2.00	4.06	
Toluene*	<0.050	0.050	02/13/2014	ND	2.10	105	2.00	2.73	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.09	105	2.00	2.69	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.07	101	6.00	1.95	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/14/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 98.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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: 02/10/2014  
Reported: 02/14/2014  
Project Name: SHU #177  
Project Number: NONE GIVEN  
Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 2 (H400410-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.2 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/11/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 80.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.3 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/10/2014  
 Reported: 02/14/2014  
 Project Name: SHU #177  
 Project Number: NONE GIVEN  
 Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 1 (H400410-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.3 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/14/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/11/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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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

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

Received: 02/10/2014  
 Reported: 02/14/2014  
 Project Name: SHU #177  
 Project Number: NONE GIVEN  
 Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2 (H400410-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/14/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/11/2014	ND	180	90.0	200	12.6	
DRO >C10-C28	<10.0	10.0	02/11/2014	ND	174	87.0	200	7.24	

Surrogate: 1-Chlorooctane 98.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 02/10/2014  
Reported: 02/14/2014  
Project Name: SHU #177  
Project Number: NONE GIVEN  
Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1 (H400410-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 93.7 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/14/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2014	ND	204	102	200	11.4	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	192	96.2	200	12.4	

Surrogate: 1-Chlorooctane 91.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.1 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 02/10/2014  
Reported: 02/14/2014  
Project Name: SHU #177  
Project Number: NONE GIVEN  
Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2 (H400410-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/14/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2014	ND	204	102	200	11.4	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	192	96.2	200	12.4	

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 02/10/2014  
 Reported: 02/14/2014  
 Project Name: SHU #177  
 Project Number: NONE GIVEN  
 Project Location: HOBBS, NEW MEXICO

Sampling Date: 02/10/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 3 (H400410-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2014	ND	2.28	114	2.00	0.743	
Toluene*	<0.050	0.050	02/13/2014	ND	2.22	111	2.00	1.88	
Ethylbenzene*	<0.050	0.050	02/13/2014	ND	2.21	111	2.00	0.812	
Total Xylenes*	<0.150	0.150	02/13/2014	ND	6.39	107	6.00	0.795	
Total BTEX	<0.300	0.300	02/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.4 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/14/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/12/2014	ND	204	102	200	11.4	
DRO >C10-C28	<10.0	10.0	02/12/2014	ND	192	96.2	200	12.4	

Surrogate: 1-Chlorooctane 75.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 72.0 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



## CARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company:					
Address: P.O. Box 805		City:					
City: Hobbs		State: NM		Zip: 88241			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:			
Project #:		Project Owner: CHY		City:			
Project Name: SHU #177		State:		Zip:			
Project Location: Hobbs, NM		Phone #:					
Sampler Name: Cliff Brunson		Fax #:					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:					
1	SP1 @ 1	G-1	1	X						2-10	9:10	X	X	X
2	SP2 @ 1	G-1	1	X							9:32	X	X	X
3	SP2 @ 2	G-1	1	X							10:33	X	X	X
4	SP2 @ 1	G-1	1	X							11:15	X	X	X
5	SP3 @ 1	G-1	1	X							1:39	X	X	X
6	SP3 @ 2	G-1	1	X							2:22	X	X	X
7	SP3 @ 3	G-1	1	X							2:56	X	X	X

Relinquished By:		Date: 8-10-14	Received By:
Time: 4:45		Time: 4:45	

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
UPS - Bus - Other: 4.80c	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
	Yes <input type="checkbox"/> No <input type="checkbox"/>	

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

REMARKS:

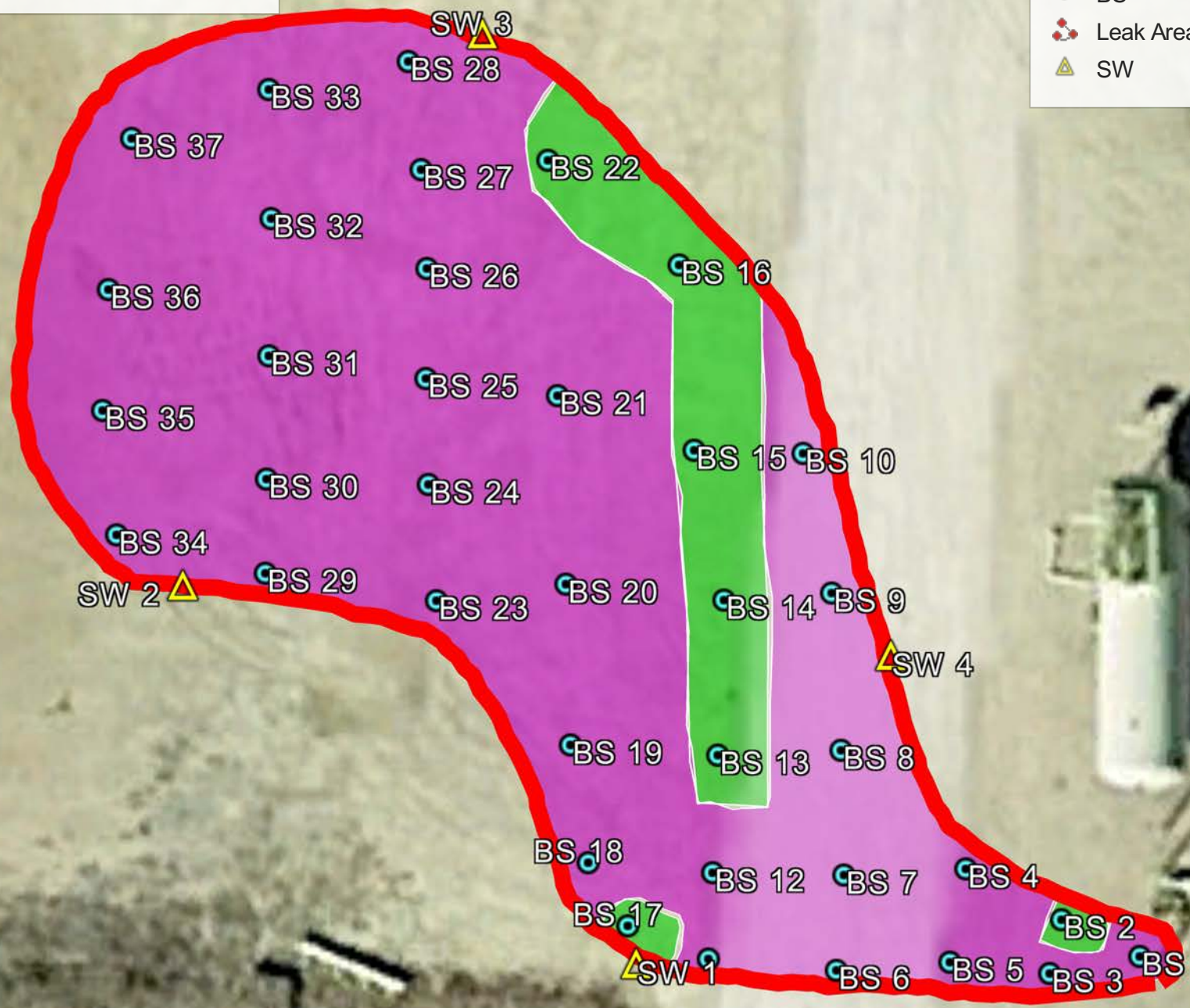


# OXY, SOUTH HOBBS UNIT #177

LEAK DATE: 12/19/13  
LEA COUNTY, NM  
ID #: nKJ1603528944

## Legend

- 3' excavation
- 6" excavation
- BS
- Leak Area
- SW



Google Earth

60 ft

OXY SOUTH HOBBS UNIT #177 (12/19/23)      SAMPLE DATES 7/11/23,7/14/23,8/9/23  
BOTTOM SAMPLES

BS 1	N 32.68699	W-103.17287
BS 2	N 32.6800	W-103.17288
BS 3	N 32.6801	W-103.17290
BS 4	N 32.68598	W-103.17291
BS 5	N 32.68594	W-103.17290
BS 6	N 32.68600	W-103.17299
BS 7	N 32.68606	W-103.17298
BS 8	N 32.68611	W-103.17299
BS 9	N 32.68616	W-103.17299
BS 10	N 32.68620	W-103.17300
BS 11	N 32.68601	W-103.17305
BS 12	N 32.68605	W-103.17306
BS 13	N 32.68609	W-103.17307
BS 14	N 32.68613	W-103.17307
BS 15	N 32.68618	W-103.17304
BS 17	N 32.68627	W-103.17304
BS 18	N 32.68608	W-103.17310
BS 19	N 32.68610	W-103.17313
BS 20	N 32.68614	W-103.17310
BS 21	N 32.68620	W-103.17311
BS 22	N 32.68624	W-103.17309
BS 23	N 32.68630	W-103.17309
BS 24	N 32.68612	W-103.17313
BS 25	N 32.68616	W-103.17311
BS 26	N 32.68621	W-103.17313
BS 27	N 32.68627	W-103.17312
BS 28	N 32.68631	W-103.17311
BS 29	N 32.68613	W-103.17317
BS 30	N 32.68617	W-103.17316
BS 31	N 32.68621	W-103.17317
BS 32	N 32.68626	W-103.17316
BS 33	N 32.68632	W-103.17315
BS 34	N 32.68618	W-103.17321
BS 35	N 32.68620	W-103.17320
BS 36	N 32.68623	W-103.17622
BS 37	N 32.68626	W-103.17321

SIDEWALL SAMPLES

SW 1	N 32.68613	W-103.17302
SW 2	N 32.68624	W-103.17325
SW 3	N 32.68624	W-103.17300
SW 4	N 32.68619	W-103.17293



	Sample ID	BS 1@1'	BS 1@2'	BS 2@1'	BS 2@2'	BS 2 @3'	BS 3@1'	BS 3@2'	BS 4@1'	BS 4@2'	BS 5@1'	BS 5@2'	BS 6@1'	BS 6@2'	BS 7@1'	BS 7@2'	BS 8@1'	BS 8@2'	BS 9@1'
Analyte	Date	7/11/23	7/11/23	7/11/23	7/11/23	8/9/23	7/11/23	7/11/23	7/11/23	7/11/23	7/11/23	7/11/23	7/11/23	7/11/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23
		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	mg/kg	mg/kg
Benzene		<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	<0.050	<0.050
Toluene		<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	<0.050	<0.050
Ethylbenzene		<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	<0.050	<0.050
Total Xylenes		<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	<0.150	<0.150
Total BTEX		<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	<0.300	<0.300
Chloride		32.0	32.0	128.0	64.0	48.0	32.0	16.0	32.0	<16.0	208.0	<16.0	96.0	<16.0	272.0	192.0	176.0	160.0	32.0
GRO		<10.0	<10.0	<10.0	<10.0	<50.0	<50.0	<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		<10.0	<10.0	140	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	28.1	25.4	<10.0	<10.0
EXT DRO		<10.0	<10.0	175	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	18.2	15.8	<10.0	<10.0

	Sample ID	BS 9@2'	BS 10@1'	BS 10@2'	BS 11@1'	BS 11@2'	BS 12@1'	BS 12@2'	BS 13@1'	BS 13@2'	BS 13@3'	BS 14@1'	BS 14@2'	BS 14@3'	BS 15@1'	BS 15@2'	BS 15@3'	BS 16@1'	BS 16@2'
Analyte	Date	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	8/9/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	8/9/23	7/12/23	7/12/23
		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	mg/kg	mg/kg
Benzene		<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	<0.050	<0.050
Toluene		<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	<0.050	<0.050
Ethylbenzene		<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	<0.050	<0.050
Total Xylenes		<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	<0.150	<0.150
Total BTEX		<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	<0.300	<0.300
Chloride		32.0	48.0	112.0	32.0	48.0	32.0	32.0	64.0	64.0	64.0	64.0	64.0	48.0	80.0	80.0	64.0	80.0	96.0
GRO		<10.0	<10.0	<10.0	<10.0	<100.00	<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		<10.0	<10.0	35.8	<10.0	<10.0	<10.0	<10.0	182	158	<10.0	204	183	<10.0	<10.0	118	<10.0	<10.0	333
EXT DRO		<10.0	<10.0	32.4	<10.0	<10.0	<10.0	<10.0	160	143	<10.0	174	175	<10.0	<10.0	127	<10.0	<10.0	319

	Sample ID	BS 16@3'	BS 17@1'	BS 17@2'	BS 17@3'	BS 18@1'	BS 18@2'	BS19@1'	BS 19@2'	BS 20@1'	BS 20@2'	BS 21@1'	BS 21@2'	BS 22@1'	BS 22@2'	BS 22@3'	BS 23@1'	BS 23@2'	BS 24@1'
Analyte	Date	8/9/23	7/12/23	7/12/23	8/9/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	7/12/23	7/13/23	7/13/23	7/13/23	7/13/23	8/9/23	7/13/23	7/13/23	7/13/23
		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	mg/kg	mg/kg
Benzene		<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	<0.050	<0.050
Toluene		<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	<0.050	<0.050
Ethylbenzene		<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	<0.050	<0.050
Total Xylenes		<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	<0.150	<0.150
Total BTEX		<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	<0.300	<0.300
Chloride		48.0	16.0	64.0	64.0	80.0	96.0	448.0	384.0	384.0	416.0	384.0	32.0	336.0	32.0	48.0	48.0	32.0	48.0
GRO		<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	<10.0	<10.0
DRO		<10.0	<10.0	255	<10.0	10.3	37.4	<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		<10.0	13.5	261	<10.0	14.6	46.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	125	<10.0	<10.0	<10.0	<10.0	<10.0

	Sample ID	BS 24@2'	BS 25@1'	BS 25@2'	BS 26@1'	BS 26@2'	BS 27@1'	BS 27@2'	BS 28@1'	BS 28@2'	BS 29@1'	BS 29@2'	BS 30@1'	BS 30@2'	BS 31@1'	BS 31@2'	BS 32@1'	BS 32@2'	BS 33@1'
Analyte	Date	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23	7/13/23
		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	mg/kg	mg/kg
Benzene		<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	<0.050	<0.050
Toluene		<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	<0.050	<0.050
Ethylbenzene		<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	<0.050	<0.050
Total Xylenes		<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	<0.150	<0.150
Total BTEX		<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	<0.300	<0.300
Chloride		160.0	128.0	144.0	48.0	48.0	48.0	32.0	48.0	32.0	48.0	32.0	32.0	32.0	32.0	48.0	32.0	32.0	48.0
GRO		<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	<10.0	<10.0
DRO		<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	<10.0	<10.0
EXT DRO		<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	<10.0	<10.0

	Sample ID	BS 33@2'	BS 34@1'	BS 34@2'	BS 35@1'	BS 35@2'	BS 36@1'	BS 36@2'	BS 37@1'	BS 37@2'
Analyte	Date	7/13/23	7/14/23	7/14/23	7/14/23	7/14/23	7/14/23	7/14/23	7/14/23	7/14/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		32.0	32.0	48.0	32.0	48.0	32.0	32.0	32.0	32.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

	Sample ID	SW 1	SW 2	SW 3	SW 4
Analyte	Date	7/14/23	7/14/23	7/14/23	7/14/23
		mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300
Chloride		48.0	32.0	32.0	32.0
GRO		<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0



OXY -SOUTH HOBBS UNIT #177 (12/19/13)





OXY -SOUTH HOBBS UNIT #177 (12/19/13)







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OXY -SOUTH HOBBS UNIT #177 (12/19/13)





OXY -SOUTH HOBBS UNIT #177 (12/19/13)





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

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July 24, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHU #177 (12/19/13)

Enclosed are the results of analyses for samples received by the laboratory on 07/17/23 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 1 @ 1' (H233704-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.12	106	2.00	0.131	
Toluene*	<0.050	0.050	07/22/2023	ND	2.08	104	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.03	101	2.00	0.560	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.14	102	6.00	0.184	
Total BTEX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 1 @ 2' (H233704-02)**

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	07/22/2023	ND	2.12	106	2.00	0.131		
Toluene*	<0.050	0.050	07/22/2023	ND	2.08	104	2.00	0.381		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.03	101	2.00	0.560		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.14	102	6.00	0.184		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 2 @ 1' (H233704-03)**

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	07/22/2023	ND	2.12	106	2.00	0.131	
Toluene*	<0.050	0.050	07/22/2023	ND	2.08	104	2.00	0.381	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.03	101	2.00	0.560	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.14	102	6.00	0.184	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	140	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	175	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 2 @ 2' (H233704-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.12	106	2.00	0.131		
Toluene*	<0.050	0.050	07/22/2023	ND	2.08	104	2.00	0.381		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.03	101	2.00	0.560		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.14	102	6.00	0.184		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 3 @ 1' (H233704-05)**

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	07/21/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/21/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

Cardinal Laboratories

\*=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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 3 @ 2' (H233704-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/21/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 4 @ 1' (H233704-07)**

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	07/21/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/21/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 4 @ 2' (H233704-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/21/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.19	103	6.00	0.549	
Total BTX	<0.300	0.300	07/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 5 @ 1' (H233704-09)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 5 @ 2' (H233704-10)**

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	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 6 @ 1' (H233704-11)**

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	07/22/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/19/2023	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	07/20/2023	ND	167	83.5	200	1.44	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	185	92.4	200	0.441	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/11/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 6 @ 2' (H233704-12)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 7 @ 1' (H233704-13)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 7 @ 2' (H233704-14)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	28.1	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	18.2	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 8 @ 1' (H233704-15)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	25.4	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	15.8	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 8 @ 2' (H233704-16)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 9 @ 1' (H233704-17)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 9 @ 2' (H233704-18)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 10 @ 1' (H233704-19)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 10 @ 2' (H233704-20)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/19/2023	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	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	35.8	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	32.4	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 11 @ 1' (H233704-21)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57		
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 11 @ 2' (H233704-22)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 12 @ 1' (H233704-23)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/19/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 12 @ 2' (H233704-24)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.00	100	2.00	2.57	
Toluene*	<0.050	0.050	07/22/2023	ND	1.94	97.0	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	0.991	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.19	103	6.00	0.549	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 13 @ 1' (H233704-25)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	182	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	160	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 13 @ 2' (H233704-26)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	158	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	143	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 14 @ 1' (H233704-27)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	204	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	174	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 14 @ 2' (H233704-28)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	183	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	175	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 15 @ 1' (H233704-29)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 15 @ 2' (H233704-30)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	118	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	127	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 16 @ 1' (H233704-31)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	161	80.5	200	5.54	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	182	90.8	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 16 @ 2' (H233704-32)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72		
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	333	10.0	07/21/2023	ND	184	92.1	200	3.38	QM-07
EXT DRO >C28-C36	319	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 17 @ 1' (H233704-33)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	07/19/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	13.5	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 17 @ 2' (H233704-34)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/19/2023	ND	448	112	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*	<50.0	50.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	255	50.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	261	50.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 18 @ 1' (H233704-35)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72		
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20		
Total BTEX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	10.3	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	14.6	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 18 @ 2' (H233704-36)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72		
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	37.4	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	46.2	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 19 @ 1' (H233704-37)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 19 @ 2' (H233704-38)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	07/19/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 20 @ 1' (H233704-39)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/19/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/12/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 20 @ 2' (H233704-40)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/19/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 21 @ 1' (H233704-41)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72		
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 21 @ 2' (H233704-42)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72	
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	120	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	125	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

BBC International, Inc.  
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Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 22 @ 1' (H233704-43)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72		
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 22 @ 2' (H233704-44)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2023	ND	2.07	104	2.00	3.72		
Toluene*	<0.050	0.050	07/22/2023	ND	2.01	100	2.00	3.81		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.10	105	2.00	5.31		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.33	105	6.00	5.20		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 23 @ 1' (H233704-45)**

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	07/21/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/21/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.57	109	6.00	0.236		
Total BTEx	<0.300	0.300	07/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 23 @ 2' (H233704-46)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 24 @ 1' (H233704-47)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

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Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 24 @ 2' (H233704-48)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 25 @ 1' (H233704-49)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 25 @ 2' (H233704-50)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 26 @ 1' (H233704-51)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	186	93.2	200	3.36	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	184	92.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 26 @ 2' (H233704-52)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 59.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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**Analytical Results For:**

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

Received: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 27 @ 1' (H233704-53)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 54.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 27 @ 2' (H233704-54)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 59.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 28 @ 1' (H233704-55)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 52.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.2 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 28 @ 2' (H233704-56)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 57.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.6 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 29 @ 1' (H233704-57)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 56.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.2 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 29 @ 2' (H233704-58)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 56.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 30 @ 1' (H233704-59)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 56.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.2 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 30 @ 2' (H233704-60)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTEx	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 53.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.8 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 31 @ 1' (H233704-61)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 54.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.4 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 31 @ 2' (H233704-62)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 55.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.9 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 32 @ 1' (H233704-63)**

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	07/22/2023	ND	2.07	104	2.00	1.91	
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 57.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.8 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 32 @ 2' (H233704-64)**

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	07/22/2023	ND	2.07	104	2.00	1.91		
Toluene*	<0.050	0.050	07/22/2023	ND	2.02	101	2.00	0.586		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	0.600		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.57	109	6.00	0.236		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 55.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.5 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 33 @ 1' (H233704-65)**

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	07/22/2023	ND	2.09	105	2.00	2.98	QR-03	
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47		
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24		
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND						

Surrogate: 1-Chlorooctane 56.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.1 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/13/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 33 @ 2' (H233704-66)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 56.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 34 @ 1' (H233704-67)**

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	07/22/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 51.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.7 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 34 @ 2' (H233704-68)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 35 @ 1' (H233704-69)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 59.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 35 @ 2' (H233704-70)**

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	07/22/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 59.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 36 @ 1' (H233704-71)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	181	90.7	200	8.47	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	189	94.5	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 55.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.8 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 36 @ 2' (H233704-72)**

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	07/22/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71	
Total BTEX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 37 @ 1' (H233704-73)**

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	07/22/2023	ND	2.09	105	2.00	2.98	
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15	
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10	
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71	
Total BTX	<0.300	0.300	07/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 37 @ 2' (H233704-74)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 1 (H233704-75)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 2 (H233704-76)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 3 (H233704-77)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTX	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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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: 07/17/2023  
 Reported: 07/24/2023  
 Project Name: SHU #177 (12/19/13)  
 Project Number: NONE GIVEN  
 Project Location: OXY - NEW MEXICO

Sampling Date: 07/14/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 4 (H233704-78)**

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	07/22/2023	ND	2.09	105	2.00	2.98		
Toluene*	<0.050	0.050	07/22/2023	ND	2.05	102	2.00	1.15		
Ethylbenzene*	<0.050	0.050	07/22/2023	ND	2.19	110	2.00	2.10		
Total Xylenes*	<0.150	0.150	07/22/2023	ND	6.59	110	6.00	2.71		
Total BTEx	<0.300	0.300	07/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/20/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	141	70.3	200	7.41	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	170	85.2	200	1.33	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.
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**

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <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>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>										<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>									
<b>Project Name:</b> SHU #177 (12/19/13) <b>Project Location:</b> New Mexico <b>Sample Name:</b> Simon Rendon <small>FOR LAB USE ONLY</small>										<b>Matrix:</b> <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <b>Preserv:</b> <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :										<b>Sampling:</b>																			
<b>Lab I.D.</b> <b>Sample I.D.</b>										<b>DATE</b>										<b>TIME</b>																			
BOTTOM SAMPLE 1@1' BOTTOM SAMPLE 1@2' BOTTOM SAMPLE 2@1' BOTTOM SAMPLE 2@2' BOTTOM SAMPLE 3@1' BOTTOM SAMPLE 3@2' BOTTOM SAMPLE 4@1' BOTTOM SAMPLE 4@2' BOTTOM SAMPLE 5@1' BOTTOM SAMPLE 5@2'										(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :										7/11/23 10:20AM 7/11/23 10:38AM 7/11/23 11:01AM 7/11/23 11:22AM 7/11/23 11:41AM 7/11/23 11:56AM 7/11/23 1:24PM 7/11/23 1:41PM 7/11/23 2:00PM 7/11/23 2:24PM										Chloride BTEX TPH/EXT									
<b>PLEASE NOTE:</b> Laboratory and Damages. Containers, labels, and reports are provided for any claim arising within the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by the client within 30 days after completion of the applicable service. In no event shall the client 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 the client. No portion of such claim is based upon any other. (Print or Stamp Reason(s) of objection)										<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 7/11/23 <b>Time:</b> 8:00 AM <b>Received By:</b> <i>[Signature]</i> <b>Date:</b> 7/17/23 <b>Time:</b> 10:40 AM <b>Received By:</b> <i>[Signature]</i> <b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> 7/17/23 <b>Time:</b> 10:40 AM <b>Received By:</b> <i>[Signature]</i> <b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other: <i>7.1.12</i> \$1440 Sample Condition: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No CHECKED BY: <i>[Signature]</i> (Initials) <i>AB</i>										<b>REMARKS:</b> Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:																			





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <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 Name:</b> SHU #177 (12/19/13) <b>Project Location:</b> New Mexico <b>Sample Name:</b> Simon Rendon				<b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>					
<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>					
<b>FOR LAB USE ONLY</b>									
<b>Lab I.D.</b> H233704		<b>Sample I.D.</b>		<b>MATRIX</b> (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		<b>PRESERV</b> DATE TIME		<b>SAMPLING</b> Chloride BTEX TPHKXT	
11 BOTTOM SAMPLE 6@1'		6		7/11/23 3:10PM		✓			
12 BOTTOM SAMPLE 6@2'		✓		7/11/23 3:28PM		✓			
13 BOTTOM SAMPLE 7@1'		✓		7/21/23 7:50AM		✓			
14 BOTTOM SAMPLE 7@2'		✓		7/12/23 8:08AM		✓			
15 BOTTOM SAMPLE 8@1'		✓		7/12/23 8:22AM		✓			
16 BOTTOM SAMPLE 8@2'		✓		7/12/23 8:34AM		✓			
17 BOTTOM SAMPLE 9@1'		✓		7/12/23 8:48AM		✓			
18 BOTTOM SAMPLE 9@2'		✓		7/12/23 9:04AM		✓			
19 BOTTOM SAMPLE 10@1'		✓		7/12/23 9:18AM		✓			
20 BOTTOM SAMPLE 10@2'		✓		7/12/23 9:31AM		✓			

**PLEASE NOTE:** Liability and Damages. Customer's liability and claims are limited to the amount paid by the client for the service. In no event shall the client be liable for negligence and any other cause whatsoever shall be deemed unless made in writing and received by Cardinal within 30 days after completion of the applicable service. All claims, including those for negligence and any other cause whatsoever, shall be deemed 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 negligence and any other cause whatsoever shall be deemed unless made in writing and received by Cardinal within 30 days after completion of the applicable service. All claims, including those for negligence and any other cause whatsoever, shall be deemed unless made in writing and received by Cardinal within 30 days after completion of the applicable service.

**Relinquished By:** *[Signature]* **Date:** 7-17-23 **Received By:** *[Signature]* **Date:** 8-01-23

**Relinquished By:** *[Signature]* **Date:** 7-17-23 **Received By:** *[Signature]* **Date:** 8-01-23

**Time:** 1440 **Time:** 1440

**Delivered By:** (Circle One) *[Signature]* **Sample Condition:** ☒ Yes ☐ No **Intact:** ☒ Yes ☐ No

**Sampler - UPS - Bus - Other:** *[Signature]* **Checked By:** *[Signature]* **Initials:** *[Signature]*

**REMARKS:**



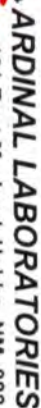


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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>																	
<b>Address:</b> P.O. Box 805				<b>Company:</b> Oxy																	
<b>City:</b> Hobbs				<b>Attn:</b>																	
<b>Phone #:</b> 575-397-6388				<b>Address:</b>																	
<b>State:</b> NM <b>Zip:</b> 88241				<b>City:</b>																	
<b>Fax #:</b> 575-397-0397				<b>State:</b>																	
<b>Project #:</b>				<b>Zip:</b>																	
<b>Project Name:</b> SHU #177 (12/19/13)				<b>Phone #:</b>																	
<b>Project Location:</b> New Mexico				<b>Fax #:</b>																	
<b>Sampler Name:</b> Simon Rendon																					
<small>FOR LAB USE ONLY</small>																					
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>MATRIX</b>		<b>PRESERV</b>		<b>SAMPLING</b>													
H233704		BOTTOM SAMPLE 11@1'		(G)RAB OR (C)OMP.				DATE		TIME		Chloride									
21		BOTTOM SAMPLE 11@2'		# CONTAINERS				7/12/23		9:52AM		✓									
22		BOTTOM SAMPLE 12@1'		GROUNDWATER				7/12/23		10:16AM		✓									
23		BOTTOM SAMPLE 12@2'		WASTEWATER				7/12/23		10:38AM		✓									
24		BOTTOM SAMPLE 13@1'		SOIL		✓		7/12/23		10:57AM		✓									
25		BOTTOM SAMPLE 13@2'		OIL				7/12/23		11:20AM		✓									
26		BOTTOM SAMPLE 14@1'		SLUDGE				7/12/23		11:38AM		✓									
27		BOTTOM SAMPLE 14@2'		OTHER :				7/12/23		11:59AM		✓									
28		BOTTOM SAMPLE 15@1'		ACID/BASE:				7/12/23		12:47PM		✓									
29		BOTTOM SAMPLE 15@2'		ICE / COOL				7/12/23		1:12PM		✓									
30		BOTTOM SAMPLE 15@2'		OTHER :				7/12/23		1:31PM		✓									
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<b>Relinquished By:</b>				<b>Date:</b> 7-17-23				<b>Received By:</b>				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Phone #:</b>					
				<b>Time:</b> 8:00am								<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No				<b>Add'l Fax #:</b>					
<b>Relinquished By:</b>				<b>Date:</b> 7-17-23				<b>Received By:</b>				<b>REMARKS:</b>									
				<b>Time:</b> 7:40am																	
<b>Delivered By:</b> (Circle One)				<b>Sample Condition:</b>				<b>CHECKED BY:</b>													
<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<b>Signature:</b>													
<b>Sampler - UPS - Bus - Other:</b>				<b>Initials:</b>																	
-7.1c																					

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 84 of 89





ARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: Cliff Brunson				P.O. #:																									
Address: P.O. Box 805				Company: Oxy																									
City: Hobbs				Attn:																									
Phone #: 575-397-6388				Address:																									
Fax #: 575-397-0397				City:																									
Project #:				State: Zip:																									
Project Name: SHU #177 (12/19/13)				Phone #:																									
Project Location: New Mexico				Fax #:																									
Sampler Name: Simon Rendon																													
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		DATE		TIME		Chloride		BTEX		TPH EXT													
4		7/11/23		6		1		7/13/23		7:45AM																			
41		BOTTOM SAMPLE 21@1'						7/13/23		7:58AM																			
42		BOTTOM SAMPLE 21@2'						7/13/23		8:15AM																			
43		BOTTOM SAMPLE 22@1'						7/13/23		8:34AM																			
44		BOTTOM SAMPLE 22@2'						7/13/23		8:49AM																			
45		BOTTOM SAMPLE 23@1'						7/13/23		9:04AM																			
46		BOTTOM SAMPLE 23@2'						7/13/23		9:18AM																			
47		BOTTOM SAMPLE 24@1'						7/13/23		9:32AM																			
48		BOTTOM SAMPLE 24@2'						7/13/23		9:47AM																			
49		BOTTOM SAMPLE 25@1'						7/13/23		9:58AM																			
50		BOTTOM SAMPLE 25@2'						7/13/23		9:58AM																			
<p>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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 other act or the stated services of Cardinal.</p>												Reinquired By: <i>[Signature]</i>		Date: 7-17-23		Time: 8:00 AM		Received By: <i>[Signature]</i>		Date: 7-17-23		Time: 8:00 AM		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: <i>[Signature]</i>		REMARKS:	
Delivered By: (Circle One)												Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Add'l Fax #:							
Sampler - UPS - Bus - Other: <i>7.1c</i>												#140		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Add'l Fax #:					

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company: Oxy			
Address: P.O. Box 805		Attn:			
City: Hobbs		Address:			
State: NM Zip: 88241		City:			
Phone #: 575-397-6388 Fax #: 575-397-0397		State: Zip:			
Project #:		Project Owner: Oxy			
Project Name: SHU #177 (12/19/13)		Phone #:			
Project Location: New Mexico		Fax #:			
Sample Name: Simon Rendon		PRESERV			
FOR LAB USE ONLY		SAMPLING			
Lab I.D.		Sample I.D.			
H233704		(G)RAB OR (C)OMP.			
51		# CONTAINERS			
52		GROUNDWATER			
53		WASTEWATER			
54		SOIL			
55		OIL			
56		SLUDGE			
57		OTHER :			
58		ACID/BASE:			
59		ICE / COOL			
60		OTHER :			
BOTTOM SAMPLE 26@1'		DATE		TIME	
BOTTOM SAMPLE 26@2'		7/13/23		10:12AM	
BOTTOM SAMPLE 27@1'		7/13/23		10:26AM	
BOTTOM SAMPLE 27@2'		7/13/23		10:43AM	
BOTTOM SAMPLE 28@1'		7/13/23		11:00AM	
BOTTOM SAMPLE 28@2'		7/13/23		11:18AM	
BOTTOM SAMPLE 29@1'		7/13/23		11:36AM	
BOTTOM SAMPLE 29@2'		7/13/23		11:53AM	
BOTTOM SAMPLE 30@1'		7/13/23		12:47PM	
BOTTOM SAMPLE 30@2'		7/13/23		1:12PM	
BOTTOM SAMPLE 30@2'		7/13/23		1:33PM	
REINQUISHED BY:		RECEIVED BY:		REMARKS:	
Date: 7-17-23		Date: 7-17-23		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Time: 8:00AM		Time: 8:00AM		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By: [Signature]		Received By: [Signature]		Add'l Phone #:	
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)	
Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		7/13/23		7/13/23	

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> BBC International, Inc.		<b>P.O. #:</b>	
<b>Project Manager:</b> Cliff Brunson		<b>Company:</b> Oxy	
<b>Address:</b> P.O. Box 805	<b>State:</b> NM	<b>zip:</b> 88241	<b>Attn:</b>
<b>City:</b> Hobbs	<b>Phone #:</b> 575-397-6388	<b>Fax #:</b> 575-397-0397	<b>Address:</b>
<b>Project #:</b>	<b>Project Owner:</b> Oxy	<b>City:</b>	<b>State:</b>
<b>Project Name:</b> SHU #177 (12/19/13)	<b>Zip:</b>	<b>Phone #:</b>	<b>Fax #:</b>
<b>Project Location:</b> New Mexico			
<b>Sampler Name:</b> Simon Rendon			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV	SAMPLING	DATE	TIME	Chloride	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE							
H233704	BOTTOM SAMPLE 31@1'		1								7/13/23	1:54PM	✓	✓	✓
61	BOTTOM SAMPLE 31@2'		1								7/13/23	2:14PM	✓	✓	✓
62	BOTTOM SAMPLE 32@1'		1								7/13/23	2:37PM	✓	✓	✓
63	BOTTOM SAMPLE 32@2'		1								7/13/23	3:12PM	✓	✓	✓
64	BOTTOM SAMPLE 33@1'		1								7/13/23	3:45PM	✓	✓	✓
65	BOTTOM SAMPLE 33@2'		1								7/13/23	4:12PM	✓	✓	✓
66	BOTTOM SAMPLE 33@2'		1								7/13/23	4:12PM	✓	✓	✓

**PLEASE NOTE:** Liability and Damages. Cardholder's liability and amount'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 analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Victim within 30 days after completion of the applicable service. No event shall constitute a breach of this agreement if it results from the performance of services hereunder by Contractor, regardless of whether such claim is brought against Contractor or otherwise.

**Relinquished By:** [Signature] **Date:** 7/17/23 **Received By:** [Signature] **Date:** 7/17/23

**Relinquished By:** [Signature] **Date:** 7/17/23 **Received By:** [Signature] **Date:** 7/17/23

**Delivered By:** (Circle One) **Time:** 1440 **Sample Condition:** Cool ☒ Intact ☐ Yes ☐ No **CHECKED BY:** [Signature] **(Initials):** [Signature]

**Sampler - UPS - Bus - Other:** - 7/16 #140

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

**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**

**REMARKS:**

**CARDINAL LABORATORIES**

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

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

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <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> SHU #177 (12/19/13) <b>Project Location:</b> New Mexico <b>Sampler Name:</b> Simon Rendon				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>			
<b>FOR LAB USE ONLY</b>		<b>Matrix</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>Preserv</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> DATE TIME		ANALYSIS REQUEST			
<b>Lab I.D.</b> H233704		<b>Sample I.D.</b> BOTTOM SAMPLE 34@1' BOTTOM SAMPLE 34@2' BOTTOM SAMPLE 35@1' BOTTOM SAMPLE 35@2' BOTTOM SAMPLE 36@1' BOTTOM SAMPLE 36@2' BOTTOM SAMPLE 37@1' BOTTOM SAMPLE 37@2' BOTTOM SAMPLE 37@2'		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		DATE TIME		ANALYSIS REQUEST			
67 68 69 70 71 72 73 74		6 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1		7/14/23 8:05AM 7/14/23 8:24AM 7/14/23 8:42AM 7/14/23 8:57AM 7/14/23 9:32AM 7/14/23 9:51AM 7/14/23 10:20AM 7/14/23 10:37AM		Chloride BTEX TPH/EXT			
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<b>Relinquished By:</b> [Signature] Date: 7/14/23 Time: 8:00AM		<b>Received By:</b> [Signature] Date: 7/14/23 Time: 8:00AM		<b>Sample Condition</b> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> [Signature] (Initials)		<b>REMARKS:</b>			
<b>Delivered By: (Circle One)</b> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: 7.1c		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Phone #:</b> <b>Add'l Fax #:</b>							

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## ORDINAL LABORATORIES

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>							
<b>Address:</b> P.O. Box 805				<b>Company:</b> Oxy							
<b>City:</b> Hobbs				<b>Attn:</b>							
<b>State:</b> NM <b>Zip:</b> 88241				<b>Address:</b>							
<b>Phone #:</b> 575-397-6388				<b>Fax #:</b> 575-397-0397							
<b>Project #:</b>				<b>City:</b>							
<b>Project Owner:</b> Oxy				<b>State:</b>							
<b>Project Name:</b> SHU #177 (12/19/13)				<b>Zip:</b>							
<b>Project Location:</b> New Mexico				<b>Phone #:</b>							
<b>Sample Name:</b> Simon Rendon				<b>Fax #:</b>							
FOR LAB USE ONLY											
Lab I.D.		Sample I.D.		MATRIX		PRESERV	SAMPLING				
				(G)RAB OR (C)OMP.	# CONTAINERS						
				GROUNDWATER							
				WASTEWATER							
				SOIL		<input checked="" type="checkbox"/>					
				OIL							
				SLUDGE							
				OTHER :							
				ACID/BASE:							
				ICE / COOL		<input checked="" type="checkbox"/>					
				OTHER :							
				DATE		TIME					
H233704	75	SIDEWALL 1		7/14/23	11:05AM			✓	Chloride		
	76	SIDEWALL 2		7/14/23	11:24AM			✓	BTEX		
	77	SIDEWALL 3		7/14/23	11:42AM			✓			
	78	SIDEWALL 4		7/14/23	12:08PM			✓	TPH EXT		

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<b>Relinquished By:</b>		<b>Date:</b> 7-17-23		<b>Received By:</b>		<b>Date:</b> 7-17-23		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Phone #:</b>	
<b>Reinquinshed By:</b>		<b>Time:</b> 8:00 AM		<b>Received By:</b>		<b>Time:</b> 8:00 AM		<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Add'l Fax #:</b>	
<b>Delivered By:</b> (Circle One) <i>Simon Rendon</i>		<b>Time:</b> 11:40		<b>Sample Condition:</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		<b>CHECKED BY:</b> (Initials)					
<b>Sampler - UPS - Bus - Other:</b>		<b>= 7.1c</b>		<b>#440</b>							

**REMARKS:**

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

---

August 22, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOUTH HOBBS UNIT #177 ( 12/19/13 )

Enclosed are the results of analyses for samples received by the laboratory on 08/16/23 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BOTTOM SAMPLE 2 @ 3'	H234425-01	Soil	09-Aug-23 08:45	16-Aug-23 12:00
BOTTOM SAMPLE 13 @ 3'	H234425-02	Soil	09-Aug-23 09:18	16-Aug-23 12:00
BOTTOM SAMPLE 14 @ 3'	H234425-03	Soil	09-Aug-23 09:37	16-Aug-23 12:00
BOTTOM SAMPLE 15 @ 3'	H234425-04	Soil	09-Aug-23 10:12	16-Aug-23 12:00
BOTTOM SAMPLE 16 @ 3'	H234425-05	Soil	09-Aug-23 10:31	16-Aug-23 12:00
BOTTOM SAMPLE 17 @ 3'	H234425-06	Soil	09-Aug-23 10:52	16-Aug-23 12:00
BOTTOM SAMPLE 22 @ 3'	H234425-07	Soil	09-Aug-23 11:20	16-Aug-23 12:00

08/22/23 - The project name was logged in wrong. This is the corrected report and will replace the one sent earlier today 08/22/23.

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.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**BOTTOM SAMPLE 2 @ 3'**  
**H234425-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	3081708	AC	17-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3081628	JH	17-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134		3081628	JH	17-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3081622	MS	16-Aug-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3081622	MS	16-Aug-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3081622	MS	16-Aug-23	8015B	

Surrogate: 1-Chlorooctane	107 %	48.2-134		3081622	MS	16-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane	115 %	49.1-148		3081622	MS	16-Aug-23	8015B	
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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**BOTTOM SAMPLE 13 @ 3'****H234425-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3081708	AC	17-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3081628	JH	17-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3081628	JH	17-Aug-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3081622	MS	16-Aug-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3081622	MS	16-Aug-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3081622	MS	16-Aug-23	8015B

Surrogate: 1-Chlorooctane	115 %	48.2-134	3081622	MS	16-Aug-23	8015B
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Surrogate: 1-Chlorooctadecane	124 %	49.1-148	3081622	MS	16-Aug-23	8015B
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**BOTTOM SAMPLE 14 @ 3'****H234425-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	3081708	AC	17-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3081628	JH	17-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3081628	JH	17-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3081622	MS	17-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3081622	MS	17-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3081622	MS	17-Aug-23	8015B	

Surrogate: 1-Chlorooctane			105 %		48.2-134	3081622	MS	17-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %		49.1-148	3081622	MS	17-Aug-23	8015B	
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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**BOTTOM SAMPLE 15 @ 3'****H234425-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3081708	AC	17-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3081628	JH	17-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	3081628	JH	17-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B	

Surrogate: 1-Chlorooctane	77.2 %	48.2-134	3081623	MS	16-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane	88.0 %	49.1-148	3081623	MS	16-Aug-23	8015B	
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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**BOTTOM SAMPLE 16 @ 3'****H234425-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	3081708	AC	17-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3081628	JH	17-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3081628	JH	17-Aug-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B

Surrogate: 1-Chlorooctane	83.5 %	48.2-134	3081623	MS	16-Aug-23	8015B
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Surrogate: 1-Chlorooctadecane	93.5 %	49.1-148	3081623	MS	16-Aug-23	8015B
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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**BOTTOM SAMPLE 17 @ 3'****H234425-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	3081708	AC	17-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3081628	JH	17-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	3081628	JH	17-Aug-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B

Surrogate: 1-Chlorooctane	78.9 %	48.2-134	3081623	MS	16-Aug-23	8015B
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Surrogate: 1-Chlorooctadecane	90.1 %	49.1-148	3081623	MS	16-Aug-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**BOTTOM SAMPLE 22 @ 3'****H234425-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	3081708	AC	17-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3081628	JH	17-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3081628	JH	17-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3081628	JH	17-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3081623	MS	16-Aug-23	8015B	

Surrogate: 1-Chlorooctane			80.9 %		48.2-134	3081623	MS	16-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.0 %		49.1-148	3081623	MS	16-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3081708 - 1:4 DI Water</b>									
<b>Blank (3081708-BLK1)</b>									
					Prepared & Analyzed: 17-Aug-23				
Chloride	ND	16.0	mg/kg						
<b>LCS (3081708-BS1)</b>									
					Prepared & Analyzed: 17-Aug-23				
Chloride	416	16.0	mg/kg	400		104	80-120		
<b>LCS Dup (3081708-BSD1)</b>									
					Prepared & Analyzed: 17-Aug-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3081628 - Volatiles****Blank (3081628-BLK1)**

Prepared: 16-Aug-23 Analyzed: 17-Aug-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	71.5-134			

**LCS (3081628-BS1)**

Prepared: 16-Aug-23 Analyzed: 17-Aug-23

Benzene	2.11	0.050	mg/kg	2.00		105	82.8-130			
Toluene	2.14	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.15	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.18	0.050	mg/kg	2.00		109	86.1-125			
Total Xylenes	6.49	0.150	mg/kg	6.00		108	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	71.5-134			

**LCS Dup (3081628-BS1)**

Prepared: 16-Aug-23 Analyzed: 17-Aug-23

Benzene	2.12	0.050	mg/kg	2.00		106	82.8-130	0.662	15.8	
Toluene	2.18	0.050	mg/kg	2.00		109	86-128	2.28	15.9	
Ethylbenzene	2.20	0.050	mg/kg	2.00		110	85.9-128	2.29	16	
m,p-Xylene	4.42	0.100	mg/kg	4.00		111	89-129	2.55	16.2	
o-Xylene	2.24	0.050	mg/kg	2.00		112	86.1-125	2.51	16.7	
Total Xylenes	6.66	0.150	mg/kg	6.00		111	88.2-128	2.54	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0503		mg/kg	0.0500		101	71.5-134			

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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.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3081622 - General Prep - Organics****Blank (3081622-BLK1)**

Prepared &amp; Analyzed: 16-Aug-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0		100	48.2-134		
Surrogate: 1-Chlorooctadecane	54.7		mg/kg	50.0		109	49.1-148		

**LCS (3081622-BS1)**

Prepared &amp; Analyzed: 16-Aug-23

GRO C6-C10	194	10.0	mg/kg	200		97.0	66.4-123		
DRO >C10-C28	206	10.0	mg/kg	200		103	66.5-118		
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123		
Surrogate: 1-Chlorooctane	54.7		mg/kg	50.0		109	48.2-134		
Surrogate: 1-Chlorooctadecane	63.2		mg/kg	50.0		126	49.1-148		

**LCS Dup (3081622-BS1)**

Prepared &amp; Analyzed: 16-Aug-23

GRO C6-C10	188	10.0	mg/kg	200		94.1	66.4-123	3.07	17.7
DRO >C10-C28	203	10.0	mg/kg	200		101	66.5-118	1.70	21
Total TPH C6-C28	391	10.0	mg/kg	400		97.7	77.6-123	2.36	18.5
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.1	48.2-134		
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0		111	49.1-148		

**Batch 3081623 - General Prep - Organics****Blank (3081623-BLK1)**

Prepared &amp; Analyzed: 16-Aug-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	44.9		mg/kg	50.0		89.8	48.2-134		
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241

Project: SOUTH HOBBS UNIT #177 ( 12/19  
Project Number: NONE GIVEN  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
22-Aug-23 08:47

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3081623 - General Prep - Organics****LCS (3081623-BS1)**

Prepared &amp; Analyzed: 16-Aug-23

GRO C6-C10	200	10.0	mg/kg	200		100	66.4-123		
DRO >C10-C28	227	10.0	mg/kg	200		114	66.5-118		
Total TPH C6-C28	428	10.0	mg/kg	400		107	77.6-123		
Surrogate: 1-Chlorooctane	42.9		mg/kg	50.0		85.8	48.2-134		
Surrogate: 1-Chlorooctadecane	45.4		mg/kg	50.0		90.8	49.1-148		

**LCS Dup (3081623-BS1)**

Prepared &amp; Analyzed: 16-Aug-23

GRO C6-C10	211	10.0	mg/kg	200		106	66.4-123	5.33	17.7
DRO >C10-C28	235	10.0	mg/kg	200		118	66.5-118	3.43	21
Total TPH C6-C28	447	10.0	mg/kg	400		112	77.6-123	4.32	18.5
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.9	48.2-134		
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	49.1-148		

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### Notes and Definitions

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

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

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Celey D. Keene, Lab Director/Quality Manager



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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**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 257804

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 257804
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	9/1/2023