

# Closure Report

nAPP2231442527, nSEB0934926903

## Site Description

Site Name:	WINSTON SWD #004
Company:	Oxy USA, Inc.
Legal Description:	U D , S 31, TS 21S ,R 24 E
County:	LEA
GPS Coordinates:	32.43850, -104.54510

## Release Data

Date of Release:	10/1/2007; 12/5/2009
Type of Release:	PRODUCED WATER
Source of Release:	COLD WEATHER
Volume of Release:	60 BBLS 60 BBLS
Volume Recovered:	50 BBLS 25 BBLS

## Remediation Specifications

Remediation Parameters:	This site is listed on the Agreed Compliance Order of 4/5/19. This site had previously been remediated but no paperwork existed for verification therefore, OXY performed confirmation sampling to verify remediation limits had been met. The enclosed site diagram depicts the spill area, excavation depths, and the confirmation sample points. OXY collected sidewall and bottom confirmation samples every 200 square feet .	
Remediation Activities:		
Plan Sent to OCD:		
OCD Approval of Plan:		
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	
Notifications	8/3/22, 11/8/22	

## Request for Closure

Based on the completion of the remediation plan, OXY requests closure approval from NMOCD.

Cliff P. Brunson  
President, BBC International, Inc.

11/14/2022

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2231442527
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: 8-31-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Form C-141

Page 6

State of New Mexico  
Oil Conservation Division

Incident ID	nSEB0934926903
District RP	
Facility ID	
Application ID	

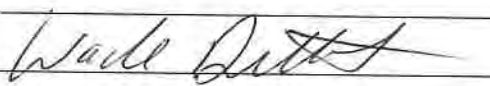
## Closure

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- ☒ Description of remediation activities

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Printed Name: Wade Dittrich Title: Environmental Coordinator  
Signature:  Date: 8-30-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: Jocelyn Harimon Date: 11/16/2022

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**From:** [Cliff Brunson](#)  
**To:** ["Enviro. OCD, EMNRD"](#)  
**Cc:** ["Wade Ditttrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); [Kathy Sweeney](#)  
**Subject:** OXY - Winston SWD #004 (nSEB0934926903) - Sampling Notification  
**Date:** Wednesday, August 3, 2022 5:34:20 PM

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This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Winston SWD #004 (nSEB0934926903) on Friday, August 5, 2022 at 1:30 p.m.

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



\*\*\*\*\*

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**From:** [Harimon, Jocelyn, EMNRD](#)  
**To:** [Cliff Brunson](#)  
**Subject:** RE: [EXTERNAL] Missing Incident Numbers-OXY-Agreed Compliance Order  
**Date:** Thursday, November 10, 2022 12:57:48 PM

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Thank you Cliff,

I will make all of the adjustments needed on our end.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
<http://www.emnrd.nm.gov>



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**From:** Cliff Brunson <cbrunson@bbcinternational.com>  
**Sent:** Thursday, November 10, 2022 12:14 PM  
**To:** Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>  
**Cc:** 'Wade Dittrich' <Wade\_Dittrich@oxy.com>; Tyson Pierce <tyson\_pierce@oxy.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; Kathy Sweeney <kathys@bbcinternational.com>  
**Subject:** RE: [EXTERNAL] Missing Incident Numbers-OXY-Agreed Compliance Order

Jocelyn,

I have created a NOR and received an Incident number for the Winston #4 SWD (leak date of 10/01/2007) per your instructions. The incident number is nAPP2231442527. We will be submitting a closure report for this site in the next day or so.

Thank you again for your help.

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

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1324 W. Marland St.  
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**From:** Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)>  
**Sent:** Wednesday, November 9, 2022 4:18 PM  
**To:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>  
**Subject:** RE: [EXTERNAL] Missing Incident Numbers-OXY-Agreed Compliance Order

Thank you Cliff.

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



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**From:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>  
**Sent:** Wednesday, November 9, 2022 4:17 PM  
**To:** Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)>  
**Cc:** 'Wade Dittrich' <[Wade\\_Dittrich@oxy.com](mailto:Wade_Dittrich@oxy.com)>; Tyson Pierce <[tyson\\_pierce@oxy.com](mailto:tyson_pierce@oxy.com)>; 'Ken Swinney' <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; 'Jennifer Gilkey' <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; Kathy Sweeney <[kathys@bbcinternational.com](mailto:kathys@bbcinternational.com)>  
**Subject:** RE: [EXTERNAL] Missing Incident Numbers-OXY-Agreed Compliance Order

Jocelyn,

I thank you for your help. I understand your instructions below and will notify you when I create a NOR and received an incident number for Winston SWD #004.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
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**From:** Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)>  
**Sent:** Wednesday, November 9, 2022 3:58 PM  
**To:** [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
**Subject:** FW: [EXTERNAL] Missing Incident Numbers-OXY-Agreed Compliance Order

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**From:** Harimon, Jocelyn, EMNRD  
**Sent:** Wednesday, November 9, 2022 12:04 PM  
**To:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@emnrd.nm.gov](mailto:Jennifer.Nobui@emnrd.nm.gov)>  
**Cc:** Billings, Bradford, EMNRD <[Bradford.Billings@emnrd.nm.gov](mailto:Bradford.Billings@emnrd.nm.gov)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Missing Incident Numbers-OXY-Agreed Compliance Order

Please see my notes below in RED, if you have any further questions, please feel free to contact me.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)  
<http://www.emnrd.nm.gov>





**From:** Cliff Brunson <[cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)>

**Sent:** Tuesday, November 8, 2022 4:27 PM

**To:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>; Nobui, Jennifer, EMNRD <[Jennifer.Nobui@emnrd.nm.gov](mailto:Jennifer.Nobui@emnrd.nm.gov)>

**Cc:** 'Wade Dittrich' <[Wade\\_Dittrich@oxy.com](mailto:Wade_Dittrich@oxy.com)>; Tyson Pierce <[tyson\\_pierce@oxy.com](mailto:tyson_pierce@oxy.com)>; 'Ken Swinney' <[kswinney@bbcinternational.com](mailto:kswinney@bbcinternational.com)>; 'Jennifer Gilkey' <[jgilkey@bbcinternational.com](mailto:jgilkey@bbcinternational.com)>; Kathy Sweeney <[kathys@bbcinternational.com](mailto:kathys@bbcinternational.com)>

**Subject:** [EXTERNAL] Missing Incident Numbers-OXY-Agreed Compliance Order

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

We have identified the releases below that are listed on the OXY Agreed Compliance Order, but we are unable to locate an incident number for these sites. We are in the process of completing closure reports but without an incident number, we are unsure how to submit the reports via the payment portal. One of these sites (Winston SWD #004; 2RP-132), we have already started a conversation about (see attached .pdf) but don't have a resolution as to how to submit a report.

If you would please advise as how to submit the reports associated with these sites or supply us with Incident numbers, it would be greatly appreciated.

Federal 27-1 (API 30-025-31618), 1RP-2213, leak date: 6/13/09 (This RP is associated with API 30-025-31624 Prize Federal #001)

An initial C-141 was found attached to the RP and an incident with corresponding details was found in the well file. The RP has now been associated with the corresponding incident #nGRL0917357104 and the Initial C-141 has been uploaded to the incident file.

Roaring Springs 13 Federal 4 (API 30-015-29350), 2RP-5, leak date: 7/4/07

An initial C-141 was found attached to the RP and an incident with corresponding details was found in the well file. The RP has now been associated with the corresponding incident #NGEG0720052861 and the Initial C-141 has been uploaded to the incident file.

Winston SWD #004 (API 30-015-30337, 2RP-132, leak date: 10/1/07

I was not able to find an associated incident # for this release however I was able to find the Initial C-141 saved in the well files under the date 10/10/2007. Please file a NOR for this release and inform the OCD (or me) of the newly created incident # so that we can associate the RP# with the incident and upload the C-141 to the incident file.



# OXY-WINSTON SWD #004

LEAK : 10/10/2007  
LEACO, NM  
2RP-132

## Legend

- 4' excavation
- BOTTOM CONFIRMATION SAMPLE POINTS
- Leak area
- SIDEWALL CONFIRMATION SAMPLE POINTS





# OXY-WINSTON SWD #004

LEAK : 10/10/2007  
LEA CO, NM  
2RP-132

## Legend

- 4' excavation
- BOTTOM CONFIRMATION SAMPLE POINTS
- Leak area
- SIDEWALL CONFIRMATION SAMPLE POINTS





OXY- WINSTON SWD # 4 (8/10/07)

SAMPLE DATE (8/8/22) -(8/10/22)

BS 1@ 4'	N 32.43850	W-104.54510
BS 2 @ 4'	N 32.43854	W-104.54511
BS 3 @ 4'	N 32.43858	W-104.54509
BS 4 @ 4'	N 32.43860	W-104.54509
BS 5 @ 4'	N 32.43866	W-104.54507
BS 6 @ 4'	N 32.43869	W-104.54510
BS 7 @ 4'	N 32.43876	W -104.54512
BS 8 @ 4'	N 32.43877	W-104.54510
BS 9 @ 4'	N 32.43873	W-104.54510
BS 10 @ 4'	N 32.43864	W-104.54511
BS 11 @ 4'	N 32.43870	W-104.54514
BS 12 @ 4'	N 32.43858	W-104.54510
BS 13 @ 4'	N 32.43855	W-104.54503
BS 15 @ 4'	N 32.43849	W-104.54504
BS 16 @ 4'	N 32.43855	W-104.54502
BS 17 @ 4'	N 32.43859	W-104.54501
BS 18 @ 4'	N 32.43861	W-104.54500
BS 19 @ 4'	N 32.43864	W-104.54503
BS 20 @ 4'	N 32.43870	W-104.54502
BS 21 @ 4'	N 32.43875	W-104.54503
BS 22 @ 4'	N 32.43877	W-104.54595
BS 23 @ 4'	N 32.43871	W-104.54495
BS 24@ 4'	N 32.43867	W-104.54497
BS 25 @ 4'	N 32.43864	W-104.54496
BS 26 @ 4'	N 32.43857	W-104.54496
BS 27 @ 4'	N 32.43852	W-104.54498
BS 28 @ 4'	N 32.43854	W-104.54499
BS 29 @ 4'	N 32.43856	W-104.54491
BS 30 @ 4'	N 32.43868	W-104.54490
BS 31 @ 4'	N 32.43879	W-104.54488
BS 32 @ 4'	N 32.43871	W-104.54488
BS 33 @ 4'	N 32.43865	W-104.54487
BS 34 @ 4'	N 32.43860	W-104.54486
BS 35 @ 4'	N 32.43854	W-104.54489
BS 36 @ 4'	N 32.43848	W-104.54488
BS 37 @ 4'	N 32.43876	W-104.54513
BS 38 @ 4'	N 32.43886	W-104.54506
BS 39 @ 4'	N 32.43886	W-104.54515
BS 40 @ 4'	N 32.43891	W-104.54510
BS 41 @ 4'	N 32.43899	W-104.54513
BS 42 @ 4'	N 32.43905	W-104.54507
BS 43 @ 4'	N 32.43907	W-104.54519
BS 44 @ 4'	N 32.43915	W-104.54519
BS 45 @ 4'	N 32.43924	W-104.54527

BS 46 @ 4' N 32.43936 W-104.54540

SW 1	N 32.43855	W-104.54451
SW 2	N 32.43870	W-104.54515
SW 3	N 32.43876	W-104.54503
SW 4	N 32.43869	W-104.54488
SW 5	N 32.43863	W-104.54489
SW 6	N 32.43849	W-104.54498
SW 7	N 32.43850	W-104.54514
SW 8	N 32.43852	W-104.54503
SW 9	N 32.43883	W-104.54515
SW 10	N 32.43889	W-104.54511
SW 11	N 32.43914	W-104.54633
SW 12	N 32.43917	W-104.54629
SW 13	N 32.43932	W-104.54540
SW 14	N 32.43947	W-104.54544

[illegible][illegible][illegible]

	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8	SW9	SW 10	SW 11	SW 12	SW 13	SW 14
Analyte	Date	8/8/22	8/8/22	8/8/22	8/10/22	8/10/22	8/10/22	8/10/22	8/10/22	8/10/22	8/10/22	8/10/22	8/10/22	8/10/22	8/10/22
		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
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
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
Total Xylenes		<0.150	<0.150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150	<0.0150
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
Chloride		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
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
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	13.9	<10.0	<10.0	<10.0	19.3	<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



OXY- WINSTON SWD #004







OXY- WINSTON SWD #004





OXY- WINSTON SWD #004







OXY- WINSTON SWD #004





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

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August 17, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WINSTON #4 SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/11/22 16:00.

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/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/11/2022	Sampling Date:	08/08/2022
Reported:	08/17/2022	Sampling Type:	Soil
Project Name:	WINSTON #4 SWD	Sampling Condition:	Cool & Intact
Project Number:	( 8/10/07 )	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - CARLSBAD, NM		

**Sample ID: BOTTOM SAMPLE 1 @ 4' (H223676-01)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379	
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483	
Total BTEX	<0.300	0.300	08/16/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 122 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 2 @ 4' (H223676-02)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379	
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483	
Total BTEX	<0.300	0.300	08/16/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 3 @ 4' (H223676-03)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379	
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483	
Total BTX	<0.300	0.300	08/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 125 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 4 @ 4' (H223676-04)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379	
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483	
Total BTX	<0.300	0.300	08/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 43-149

Surrogate: 1-Chlorooctadecane 94.3 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 5 @ 4' (H223676-05)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379	
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483	
Total BTEx	<0.300	0.300	08/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 43-149

Surrogate: 1-Chlorooctadecane 95.3 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 6 @ 4' (H223676-06)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379	
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483	
Total BTEX	<0.300	0.300	08/16/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 43-149

Surrogate: 1-Chlorooctadecane 98.1 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 7 @ 4' (H223676-07)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379	
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483	
Total BTEX	<0.300	0.300	08/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 8 @ 4' (H223676-08)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379		
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483		
Total BTEx	<0.300	0.300	08/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 9 @ 4' (H223676-09)**

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	08/16/2022	ND	1.92	96.0	2.00	0.379		
Toluene*	<0.050	0.050	08/16/2022	ND	2.00	100	2.00	0.309		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.88	93.8	2.00	1.32		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.84	97.4	6.00	0.483		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 10 @ 4' (H223676-10)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 43-149

Surrogate: 1-Chlorooctadecane 96.0 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 11 @ 4' (H223676-11)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 12 @ 4' (H223676-12)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 43-149

Surrogate: 1-Chlorooctadecane 93.0 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 13 @ 4' (H223676-13)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 14 @ 4' (H223676-14)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08	
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90	
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58	
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75	GC-NC
Total BTEx	<0.300	0.300	08/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 15 @ 4' (H223676-15)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 118 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 16 @ 4' (H223676-16)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	228	114	200	8.17	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	272	136	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 68.2 % 43-149

Surrogate: 1-Chlorooctadecane 75.8 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 17 @ 4' (H223676-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	QM-07
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 43-149

Surrogate: 1-Chlorooctadecane 89.6 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 18 @ 4' (H223676-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.7 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 19 @ 4' (H223676-19)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 92.4 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 20 @ 4' (H223676-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 21 @ 4' (H223676-21)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 80.8 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 22 @ 4' (H223676-22)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 93.0 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 23 @ 4' (H223676-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.9 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 24 @ 4' (H223676-24)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 43-149

Surrogate: 1-Chlorooctadecane 90.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 25 @ 4' (H223676-25)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 43-149

Surrogate: 1-Chlorooctadecane 94.7 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 26 @ 4' (H223676-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 67.3 % 43-149

Surrogate: 1-Chlorooctadecane 70.1 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 27 @ 4' (H223676-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 43-149

Surrogate: 1-Chlorooctadecane 83.1 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 28 @ 4' (H223676-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.1 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 29 @ 4' (H223676-29)**

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	08/16/2022	ND	1.98	98.8	2.00	1.08		
Toluene*	<0.050	0.050	08/16/2022	ND	2.04	102	2.00	3.90		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.95	97.4	2.00	5.58		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	6.05	101	6.00	5.75		
Total BTEx	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 43-149

Surrogate: 1-Chlorooctadecane 94.6 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 30 @ 4' (H223676-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 87.8 % 43-149

Surrogate: 1-Chlorooctadecane 90.3 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 31 @ 4' (H223676-31)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTX	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 32 @ 4' (H223676-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.5 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 33 @ 4' (H223676-33)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 88.2 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 34 @ 4' (H223676-34)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 43-149

Surrogate: 1-Chlorooctadecane 96.4 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 35 @ 4' (H223676-35)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.8 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 36 @ 4' (H223676-36)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	213	107	200	1.01	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	232	116	200	0.323	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 37 @ 4' (H223676-37)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 120 % 43-149

Surrogate: 1-Chlorooctadecane 125 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/08/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 38 @ 4' (H223676-38)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 43-149

Surrogate: 1-Chlorooctadecane 91.9 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 39 @ 4' (H223676-39)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTX	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.7 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 40 @ 4' (H223676-40)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 43-149

Surrogate: 1-Chlorooctadecane 99.2 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 41 @ 4' (H223676-41)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 112 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 42 @ 4' (H223676-42)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTX	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 43 @ 4' (H223676-43)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTX	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 43-149

Surrogate: 1-Chlorooctadecane 90.8 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 44 @ 4' (H223676-44)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 84.7 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 45 @ 4' (H223676-45)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 43-149

Surrogate: 1-Chlorooctadecane 98.0 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BOTTOM SAMPLE 46 @ 4' (H223676-46)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTX	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.9 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 1 (H223676-47)**

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	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.8 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 2 (H223676-48)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.6 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 3 (H223676-49)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2022	ND	2.06	103	2.00	6.42		
Toluene*	<0.050	0.050	08/15/2022	ND	2.05	102	2.00	7.83		
Ethylbenzene*	<0.050	0.050	08/15/2022	ND	1.98	98.9	2.00	6.19		
Total Xylenes*	<0.150	0.150	08/15/2022	ND	6.14	102	6.00	5.46		
Total BTEx	<0.300	0.300	08/15/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 43-149

Surrogate: 1-Chlorooctadecane 94.5 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 4 (H223676-50)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 5 (H223676-51)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 115 % 43-149

Surrogate: 1-Chlorooctadecane 119 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 6 (H223676-52)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 43-149

Surrogate: 1-Chlorooctadecane 98.5 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 7 (H223676-53)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
<b>DRO &gt;C10-C28*</b>	<b>13.9</b>	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 8 (H223676-54)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 9 (H223676-55)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/16/2022	ND	223	111	200	2.80	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	220	110	200	0.0282	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 94.3 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 10 (H223676-56)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	205	102	200	2.25	
DRO >C10-C28*	<10.0	10.0	08/15/2022	ND	225	113	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 98.7 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 11 (H223676-57)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/12/2022	ND	186	93.2	200	2.51	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	201	101	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 12 (H223676-58)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/15/2022	ND	186	93.2	200	2.51	
DRO >C10-C28*	19.3	10.0	08/15/2022	ND	201	101	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	08/15/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 43-149

Surrogate: 1-Chlorooctadecane 84.8 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 13 (H223676-59)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/12/2022	ND	186	93.2	200	2.51	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	201	101	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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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: 08/11/2022  
 Reported: 08/17/2022  
 Project Name: WINSTON #4 SWD  
 Project Number: ( 8/10/07 )  
 Project Location: OXY - CARLSBAD, NM

Sampling Date: 08/10/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SIDEWALL 14 (H223676-60)**

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	08/16/2022	ND	1.88	94.0	2.00	5.60		
Toluene*	<0.050	0.050	08/16/2022	ND	1.85	92.4	2.00	6.10		
Ethylbenzene*	<0.050	0.050	08/16/2022	ND	1.81	90.4	2.00	4.83		
Total Xylenes*	<0.150	0.150	08/16/2022	ND	5.63	93.8	6.00	3.90		
Total BTX	<0.300	0.300	08/16/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/16/2022	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	08/12/2022	ND	186	93.2	200	2.51	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	201	101	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 43-149

Surrogate: 1-Chlorooctadecane 95.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager









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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3057

[illegible]





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4057

Company Name: BBC International, Inc.		<b>BILL TO</b>		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: Oxy											
City: Hobbs		Attn:											
State: NM Zip: 88241		Address:											
Phone #: 575-397-6388 Fax #: 575-397-0397		City:											
Project #: Project Owner: Oxy		State:											
Project Name: WINSTON SWD # 4 (8/10/07)		Zip:											
Project Location: New Mexico		Phone #:											
Sample Name: SIMON		Fax #:											

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	Chloride	BT EX	TPH EXT						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE											
4033679	BOTTOM SAMPLE 31 @ 4'		1						8/8/22	3:12PM	✓	✓	✓						
31	BOTTOM SAMPLE 32 @ 4'		1						8/8/22	3:22PM	✓	✓	✓						
32	BOTTOM SAMPLE 33 @ 4'		1						8/8/22	3:30PM	✓	✓	✓						
33	BOTTOM SAMPLE 34 @ 4'		1						8/8/22	3:41PM	✓	✓	✓						
34	BOTTOM SAMPLE 35 @ 4'		1						8/8/22	3:50PM	✓	✓	✓						
35	BOTTOM SAMPLE 36 @ 4'		1						8/8/22	4:02PM	✓	✓	✓						
36	BOTTOM SAMPLE 37 @ 4'		1						8/8/22	4:14PM	✓	✓	✓						
37	BOTTOM SAMPLE 38 @ 4'		1						8/8/22	4:24PM	✓	✓	✓						
38																			
39																			

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Relinquished By:	Date: 8-11-22	Received By:	Date: 8-11-22	Time: 8:00am	Time: 8:00am
Relinquished By:	Date: 8-11-22	Received By:	Date: 8-11-22	Time: 10:00	Time: 10:00
Delivered By: (Circle One) <u>7.7.21 C.O.L.E.</u>	Sample Condition	CHECKED BY:	Time: 10:00	Time: 10:00	Time: 10:00
Sampler - UPS - Bus - Other: <u>-8.3c #113</u>	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Time: 10:00	Time: 10:00	Time: 10:00
	REMARKS:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
		Add'l Phone #:	Add'l Phone #:	Add'l Phone #:	Add'l Phone #:
		Add'l Fax #:	Add'l Fax #:	Add'l Fax #:	Add'l Fax #:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5057

<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>City:</b>											
<b>Project #:</b>				<b>State:</b>				<b>Zip:</b>							
<b>Project Name:</b> WINSTON SWD # 4 (8/10/07)				<b>Phone #:</b>											
<b>Project Location:</b> New Mexico				<b>Fax #:</b>											
<b>Sample Name:</b> SIMON															
<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>							
39		BOTTOM SAMPLE 39 @ 4'		(G)RAB OR (C)OMP.				DATE		TIME		Chloride			
40		BOTTOM SAMPLE 40 @ 4'		# CONTAINERS				8/10/22		9:03AM		✓			
41		BOTTOM SAMPLE 41 @ 4'		GROUNDWATER				8/10/22		9:17AM		✓			
42		BOTTOM SAMPLE 42 @ 4'		WASTEWATER				8/10/22		9:30AM		✓			
43		BOTTOM SAMPLE 43 @ 4'		SOIL		✓		8/10/22		9:44AM		✓			
44		BOTTOM SAMPLE 44 @ 4'		OIL				8/10/22		9:58AM		✓			
45		BOTTOM SAMPLE 45 @ 4'		SLUDGE				8/10/22		10:16AM		✓			
46		BOTTOM SAMPLE 46 @ 4'		OTHER :				8/10/22		10:30AM		✓			
47		SIDEWALL 1		ACID/BASE:				8/10/22		10:43AM		✓			
48		SIDEWALL 2		ICE / COOL		✓		8/10/22		11:00AM		✓			
				OTHER :				8/10/22		11:14AM		✓			
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<b>Relinquished By:</b>				<b>Date:</b> 8-11-22				<b>Received By:</b>				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>			
				<b>Time:</b> 8:00 AM								<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>			
<b>Relinquished By:</b>				<b>Date:</b> 8-11-22				<b>Received By:</b>				<b>REMARKS:</b>			
				<b>Time:</b> 10:00											
<b>Delivered By:</b> (Circle One)				<b>Sample Condition:</b>				<b>CHECKED BY:</b>							
Sampler - UPS - Bus - Other:				<input type="checkbox"/> Cool <input type="checkbox"/> Intact				Signature							
				<input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials)							

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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**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**

COMMENTS

Action 159105

COMMENTS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 159105
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
jharimon	It seems this incident is also tied to this Field Compliance order cSEB1002559938	11/16/2022

**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 159105

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 159105
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/21/2023