

## Closure Report

### nAPP2117549767

#### Site Description

Site Name:	OXBOW CC 17 8FED COM 32H
Company:	OXY
Legal Description:	U/L: M, SECTION 17, T24S, R29E
County:	EDDY COUNTY, NM
GPS Coordinates:	N32.21152 W-104.01104

#### Release Data

Date of Release:	11/5/2019	
Type of Release:	FRESH WATER BASED DRILLING MUD	
Source of Release:	AIR POCKET CAUSED FRESH WATER BASED DRILLING MUD TO EXIT WELLBORE	
Volume of Release:	100 BBLS	FRESH WATER BASED DRILLING MUD
Volume Recovered:	70 BBLS	FRESH WATER BASED DRILLING MUD

#### Remediation Specifications

Remediation Parameters	OXY excavated the spill area as depicted on the following site diagram. The leak area (YELLOW ) was excavated to a depth of 2 feet. The leak area near SP2 (GREEN shade on diagram) was excavated to a depth of 5 feet. The leak area near SP3 and SP4 (PURPLE shade on diagram) was excavated to a depth of 3 feet. OXY collected bottom and sidewall confirmation samples every 200 square feet.
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Remediation Activities:

Plan Sent to OCD:	FROM CLIFF TO BLM NM AND WADE
OCD Approval of Plan:	FROM @STATE.NM.US TO WADE AND CLIFF
Plan Sent to BLM:	FROM CLIFF TO SPILL@BLM AND WADE
BLM Approval of Plan:	

#### Supporting Documentation

C 141 PAGE 6	
SITE DIAGRAM	GOOGLE EARTH MAP WITH CONFIRMATION SAMPLES
PICTURES	CLOSURE PICTURES
LAB SUMMARY	CLOSURE SAMPLES
LAB ANALYSIS	CLOSURE SAMPLES
SAMPLE NOTIFICATION	3/3/2022

#### Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

5/16/2022

Form C-141

State of New Mexico  
Oil Conservation Division

Page 6

Incident ID	NAPP2117549767
District RP	
Facility ID	
Application ID	

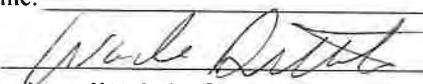
### Closure

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: 5-12-22  
 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: 08/29/2022  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

**From:** [Cliff Brunson](#)  
**To:** ["Enviro. OCD, EMNRD"](#)  
**Cc:** ["Wade Dittrich"](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Julia French"](#)  
**Subject:** OXY - Oxbow CC17 8FED COM 32H - Sampling Notification  
**Date:** Thursday, March 3, 2022 12:59:09 PM

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This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the Oxbow CC 17 8 Fed Com 32H (Incident ID # nAPP2117549767) on Tuesday, March 8th at 9:00 a.m.

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



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# OXBOW CC 17-8 FED COM 32H

LEAK DATE 11/5/19  
ID # nAPP2117549767  
EDDY CO., NM

**Legend**

- 2' EXCAVATION
- 3' EXCAVATION
- 5' EXCAVATION
- BOTTOM CONFIRMATION SAMPLE

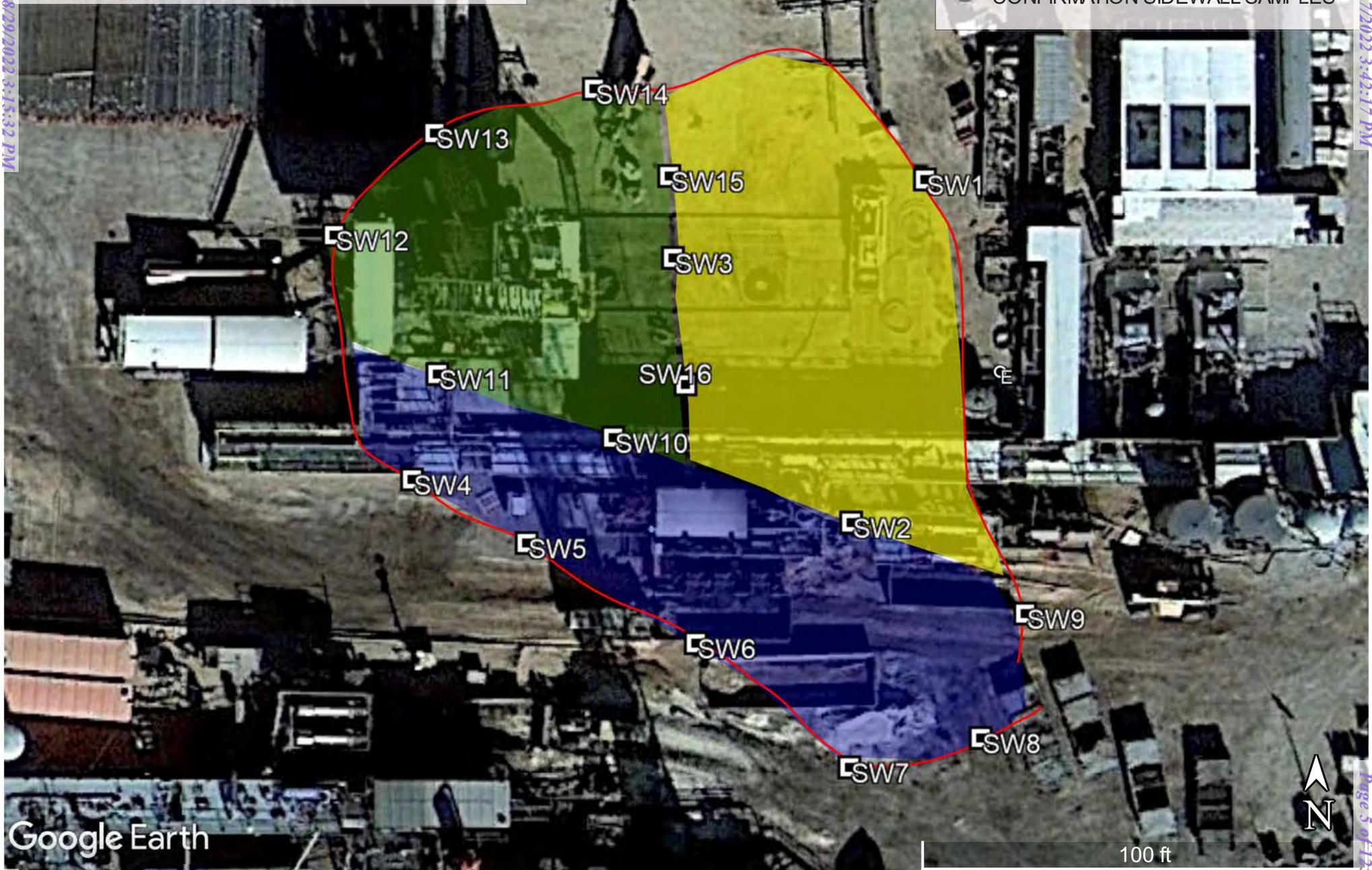


# OXBOW CC 17-8 FED COM 32H

LEAK DATE 11/5/19  
ID#nAPP2117549767  
EDDY CO, NM

**Legend**

- 2' EXCAVATION
- 3' EXCAVATION
- 5' EXCAVATION
- CONFIRMATION SIDEWALL SAMPLES



Google Earth

100 ft



## OXBOW CC 17-8 FED COM 32H (11/5/19)

SIDEWALL 1	N32.211592	W-104.010805
SIDEWALL 2	N32.211382	W-104.010858
SIDEWALL 3	N32.211544	W-104.010988
SIDEWALL 4	N32.211408	W-104.011177
SIDEWALL 5	N32.211369	W-104.011094
SIDEWALL 6	N32.211308	W-104.010971
SIDEWALL 7	N32.211232	W-104.010860
SIDEWALL 8	N32.211250	W-104.010764
SIDEWALL 9	N32.211326	W-104.010732
SIDEWALL 10	N32.211434	W-104.011031
SIDEWALL 11	N32.211473	W-104.011158
SIDEWALL 12	N32.211558	W-104.011233
SIDEWALL 13	N32.211621	W-104.011161
SIDEWALL 14	N32.211648	W-104.011045
SIDEWALL 15	N32.211594	W-104.010990
SIDEWALL 16	N32.211467	W-104.010978
BOTTOM 1	N32.211625	W-104.010967
BOTTOM 2	N32.211626	W-104.010916
BOTTOM 3	N32.211612	W-104.010867
BOTTOM 4	N32.211585	W-104.010824
BOTTOM 5	N32.211595	W-104.010957
BOTTOM 6	N32.211594	W-104.010908
BOTTOM 7	N32.211577	W-104.010870
BOTTOM 8	N32.211562	W-104.010961
BOTTOM 9	N32.211567	W-104.010916
BOTTOM 10	N32.211556	W-104.010848
BOTTOM 11	N32.211550	W-104.010809

OXBOW CC 17-8 FED COM 32H (11/5/19)

BOTTOM 12	N32.211526	W-104.010965
BOTTOM 13	N32.211531	W-104.010916
BOTTOM 14	N32.211531	W-104.010868
BOTTOM 15	N32.211518	W-104.010821
BOTTOM 16	N32.211485	W-104.010794
BOTTOM 17	N32.211488	W-104.010961
BOTTOM 18	N32.211492	W-104.010914
BOTTOM 19	N32.211501	W-104.010872
BOTTOM 20	N32.211485	W-104.010837
BOTTOM 21	N32.211464	W-104.010808
BOTTOM 22	N32.211454	W-104.010947
BOTTOM 23	N32.211454	W-104.010901
BOTTOM 24	N32.211464	W-104.010858
BOTTOM 25	N32.211426	W-104.010869
BOTTOM 26	N32.211422	W-104.010914
BOTTOM 27	N32.211402	W-104.010847
BOTTOM 28	N32.211418	W-104.010803
BOTTOM 29	N32.211383	W-104.010794
BOTTOM 30	N32.211463	W-104.011205
BOTTOM 31	N32.211447	W-104.011149
BOTTOM 32	N32.211433	W-104.011099
BOTTOM 33	N32.211429	W-104.011174
BOTTOM 34	N32.211406	W-104.011122
BOTTOM 35	N32.211388	W-104.011075
BOTTOM 36	N32.211405	W-104.011044
BOTTOM 37	N32.211361	W-104.011053
BOTTOM 38	N32.211378	W-104.011011
BOTTOM 39	N32.211397	W-104.010983
BOTTOM 40	N32.211344	W-104.011004

OXBOW CC 17-8 FED COM 32H (11/5/19)

BOTTOM 41	N32.211363	W-104.010960
BOTTOM 42	N32.211381	W-104.010922
BOTTOM 43	N32.211324	W-104.010966
BOTTOM 44	N32.211338	W104.010928
BOTTOM 45	N32.211353	W-104.010893
BOTTOM 46	N32.211366	W-104.010859
BOTTOM 47	N32.211301	W-104.010920
BOTTOM 48	N32.211315	W-104.010881
BOTTOM 49	N32.211324	W-104.010841
BOTTOM 50	N32.211335	W-104.010798
BOTTOM 51	N32.211273	W-104.010881
BOTTOM 52	N32.211296	W-104.010824
BOTTOM 53	N32.211313	W-104.010771
BOTTOM 54	N32.211267	W-104.010833
BOTTOM 55	N32.211287	W-104.010785
BOTTOM 56	N32.211245	W-104.010843
BOTTOM 57	N32.211260	W-104.010789
BOTTOM 58	N32.211594	W-104.011170
BOTTOM 59	N32.211615	W-104.011125
BOTTOM 60	N32.211623	W-104.011070
BOTTOM 61	N32.211628	W-104.011027
BOTTOM 62	N32.211559	W-104.011203
BOTTOM 63	N32.211564	W-104.011149
BOTTOM 64	N32.211579	W-104.011098
BOTTOM 65	N32.211585	W-104.011057
BOTTOM 66	N32.211591	W-104.011016
BOTTOM 67	N32.211527	W-104.011185

OXBOW CC 17-8 FED COM 32H (11/5/19)

BOTTOM 68	N32.211534	W-104.011132
BOTTOM 69	N32.211546	W-104.011083
BOTTOM 70	N32.211549	W-104.011026
BOTTOM 71	N32.211496	W-104.011164
BOTTOM 72	N32.211510	W-104.011109
BOTTOM 73	N32.211516	W-104.011059
BOTTOM 74	N32.211516	W-104.011012
BOTTOM 75	N32.211475	W-104.011109
BOTTOM 76	N32.211484	W-104.011053
BOTTOM 77	N32.211482	W-104.011007
BOTTOM 78	N32.211453	W-104.011044
BOTTOM 79	N32.211458	W-104.011001
BOTTOM 80	N32.211433	W-104.010996



Laboratory Analytical Results Summary  
 OXBOW CEDAR CANYON 17 8 FED COM #32H  
 11/5/19

Analyte	Method	Sample ID	BS 58 @ 5'	BS 59 @ 5'	BS 60 @ 5'	BS 61 @ 5'	BS 62 @ 5'	BS 63 @ 5'	BS 64 @ 5'	BS 65 @ 5'	BS 66 @ 5'	BS 67 @ 5'	BS 68 @ 5'	BS 69 @ 5'	BS 70 @ 5'
		Date	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22
			mg/kg												
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		48.0	176	80.0	64.0	80.0	80.0	80.0	160	96.0	64.0	80.0	80.0	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample ID	BS 71 @ 5'	BS 72 @ 5'	BS 73 @ 5'	BS 74 @ 5'	BS 75 @ 5'	BS 76 @ 5'	BS 77 @ 5'	BS 78 @ 5'	BS 79 @ 5'	BS 80 @ 5'
		Date	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22
			mg/kg									
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		144	160	112	144	128	144	176	80.0	64.0	144
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8	SW 9	SW 10	SW 11	SW 12	SW 13	SW 14	SW 15	SW 16	
		Date	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22	3/8/22
			mg/kg																
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		80.0	64.0	80.0	208	112	144	80.0	64.0	144	64.0	144	64.0	80.0	144	144	128	128
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



OX BOW CC 17-18 FED COM 32H  
(11-5-19)





OX BOW CC 17-18 FED COM 32H  
(11-5-19)



OX BOW CC 17-18 FED COM 32H  
(11-5-19)



OX BOW CC 17-18 FED COM 32H  
(11-5-19)



OX BOW CC 17-18 FED COM 32H  
(11-5-19)





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

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March 17, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: OXBOW CEDAR CANYON 17 8 FED COM #32H

Enclosed are the results of analyses for samples received by the laboratory on 03/11/22 12:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 1 @ 2' (H220996-01)**

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	03/15/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/15/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.8 % 59.5-142

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 2 @ 2' (H220996-02)**

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	03/15/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 73.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.8 % 59.5-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 3 @ 2' (H220996-03)**

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	03/15/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.9 % 59.5-142

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**Analytical Results For:**

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 4 @ 2' (H220996-04)**

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	03/15/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/15/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/15/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 5 @ 2' (H220996-05)**

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	03/16/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 77.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 6 @ 2' (H220996-06)**

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	03/16/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.0 % 59.5-142

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**Analytical Results For:**

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 7 @ 2' (H220996-07)**

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	03/16/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	203	102	200	7.73	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	194	97.0	200	6.56	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.7 % 59.5-142

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 8 @ 2' (H220996-08)**

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	03/16/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	199	99.4	200	7.98	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	212	106	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 9 @ 2' (H220996-09)**

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	03/16/2022	ND	1.98	98.8	2.00	3.86	
Toluene*	<0.050	0.050	03/16/2022	ND	2.07	103	2.00	2.58	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.98	99.2	2.00	1.45	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.13	102	6.00	0.714	
Total BTEX	<0.300	0.300	03/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 10 @ 2' (H220996-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 11 @ 2' (H220996-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 12 @ 2' (H220996-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 13 @ 2' (H220996-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 14 @ 2' (H220996-14)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 15 @ 2' (H220996-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 16 @ 2' (H220996-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 17 @ 2' (H220996-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 18 @ 2' (H220996-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 19 @ 2' (H220996-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 20 @ 2' (H220996-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 21 @ 2' (H220996-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 22 @ 2' (H220996-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 23 @ 2' (H220996-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.1 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 24 @ 2' (H220996-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 25 @ 2' (H220996-25)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 26 @ 2' (H220996-26)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	213	106	200	4.27	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	201	100	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 27 @ 2' (H220996-27)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	199	99.4	200	7.98	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	212	106	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 28 @ 2' (H220996-28)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	199	99.4	200	7.98	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	212	106	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 29 @ 2' (H220996-29)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.99	99.4	2.00	0.123	
Toluene*	<0.050	0.050	03/15/2022	ND	2.00	100	2.00	0.587	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.6	2.00	0.474	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.9	6.00	0.000477	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 30 @ 3' (H220996-30)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 31 @ 3' (H220996-31)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 32 @ 3' (H220996-32)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 33 @ 3' (H220996-33)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/16/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 34 @ 3' (H220996-34)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 35 @ 3' (H220996-35)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 36 @ 3' (H220996-36)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 37 @ 3' (H220996-37)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 38 @ 3' (H220996-38)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 39 @ 3' (H220996-39)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/16/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.9 % 59.5-142

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 40 @ 3' (H220996-40)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 41 @ 3' (H220996-41)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 42 @ 3' (H220996-42)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/16/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 43 @ 3' (H220996-43)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 44 @ 3' (H220996-44)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 45 @ 3' (H220996-45)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 46 @ 3' (H220996-46)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 47 @ 3' (H220996-47)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 48 @ 3' (H220996-48)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	207	104	200	2.09	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	218	109	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 49 @ 3' (H220996-49)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	2.04	102	2.00	0.0856	
Toluene*	<0.050	0.050	03/15/2022	ND	2.06	103	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	2.05	103	2.00	0.529	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	6.33	106	6.00	0.577	
Total BTEX	<0.300	0.300	03/15/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 50 @ 3' (H220996-50)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	QR-03
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	QR-03
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	QR-03
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 51 @ 3' (H220996-51)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 52 @ 3' (H220996-52)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 53 @ 3' (H220996-53)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 54 @ 3' (H220996-54)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 55 @ 3' (H220996-55)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 56 @ 3' (H220996-56)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 57 @ 3' (H220996-57)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 58 @ 5' (H220996-58)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 59 @ 5' (H220996-59)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 60 @ 5' (H220996-60)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 61 @ 5' (H220996-61)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.9 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 62 @ 5' (H220996-62)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 63 @ 5' (H220996-63)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 64 @ 5' (H220996-64)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 65 @ 5' (H220996-65)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 66 @ 5' (H220996-66)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 67 @ 5' (H220996-67)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 68 @ 5' (H220996-68)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	212	106	200	0.391	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	225	112	200	0.0458	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 69 @ 5' (H220996-69)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.82	90.9	2.00	9.70	
Toluene*	<0.050	0.050	03/16/2022	ND	1.83	91.7	2.00	9.88	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.77	88.6	2.00	9.69	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.54	92.4	6.00	8.63	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 70 @ 5' (H220996-70)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 71 @ 5' (H220996-71)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 72 @ 5' (H220996-72)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 73 @ 5' (H220996-73)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.2 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 74 @ 5' (H220996-74)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.3 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 75 @ 5' (H220996-75)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 73.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.5 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 76 @ 5' (H220996-76)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.2 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 77 @ 5' (H220996-77)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 78 @ 5' (H220996-78)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 79 @ 5' (H220996-79)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 85.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: BOTTOM 80 @ 5' (H220996-80)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.0 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 1 (H220996-81)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.9 % 59.5-142

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 2 (H220996-82)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.7 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 3 (H220996-83)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 4 (H220996-84)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/15/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 5 (H220996-85)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 6 (H220996-86)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 7 (H220996-87)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 8 (H220996-88)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.92	95.9	2.00	7.50	
Toluene*	<0.050	0.050	03/16/2022	ND	1.93	96.5	2.00	7.40	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.86	93.2	2.00	7.18	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.79	96.6	6.00	6.18	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	202	101	200	3.19	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	200	100	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 9 (H220996-89)**

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	03/16/2022	ND	1.83	91.4	2.00	11.5	
Toluene*	<0.050	0.050	03/16/2022	ND	1.95	97.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.89	94.7	2.00	6.93	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.84	97.4	6.00	8.17	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 10 (H220996-90)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.93	96.3	2.00	5.96	
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 11 (H220996-91)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.93	96.3	2.00	5.96	
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 12 (H220996-92)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.93	96.3	2.00	5.96	
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 13 (H220996-93)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.93	96.3	2.00	5.96	
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 14 (H220996-94)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.93	96.3	2.00	5.96	
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 15 (H220996-95)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.93	96.3	2.00	5.96	
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/11/2022	Sampling Date:	03/08/2022
Reported:	03/17/2022	Sampling Type:	Soil
Project Name:	OXBOW CEDAR CANYON 17 8 FED COM	Sampling Condition:	Cool & Intact
Project Number:	( 11-5-19 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY-NEW MEXICO		

**Sample ID: SIDEWALL 16 (H220996-96)**

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2022	ND	1.93	96.3	2.00	5.96	
Toluene*	<0.050	0.050	03/16/2022	ND	1.92	96.1	2.00	6.81	
Ethylbenzene*	<0.050	0.050	03/16/2022	ND	1.94	97.1	2.00	5.27	
Total Xylenes*	<0.150	0.150	03/16/2022	ND	5.99	99.9	6.00	5.09	
Total BTEX	<0.300	0.300	03/16/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/15/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2022	ND	197	98.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/16/2022	ND	198	99.0	200	4.89	
EXT DRO >C28-C36	<10.0	10.0	03/16/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs  
 State: NM Zip: 88241  
 Phone #: 575-397-6388  
 Fax #: 575-397-0397  
 Project #: \_\_\_\_\_  
 Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19)  
 Project Location: NEW MEXICO  
 Project Owner: Oxy  
 Sample Name: ROGER  
 P.O. #: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H2209910	BOTTOM 1 @ 2'		5							3/8/22	9:00AM	✓	✓	✓
	BOTTOM 2 @ 2'									3/8/22	9:05AM	✓	✓	✓
	BOTTOM 3 @ 2'									3/8/22	9:10AM	✓	✓	✓
	BOTTOM 4 @ 2'									3/8/22	9:15AM	✓	✓	✓
	BOTTOM 5 @ 2'									3/8/22	9:20AM	✓	✓	✓
	BOTTOM 6 @ 2'									3/8/22	9:25AM	✓	✓	✓
	BOTTOM 7 @ 2'									3/8/22	9:30AM	✓	✓	✓
	BOTTOM 8 @ 2'									3/8/22	9:35AM	✓	✓	✓
	BOTTOM 9 @ 2'									3/8/22	9:40AM	✓	✓	✓
	BOTTOM 10 @ 2'									3/8/22	9:45AM	✓	✓	✓

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Relinquished By: *[Signature]* Date: 5.9.22 Time: 5:00  
 Received By: *[Signature]* Date: 5.10.22 Time: 12:10  
 Delivered By: (Circle One) *[Signature]* Date: 5.22.22 Time: 9:05  
 Sampler - UPS - Bus - Other: *[Signature]* Date: 5.7.22 Time: 11:13

Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: *[Signature]* (Initials) *[Signature]*

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

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

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: OXBOW CC 17-8 FED COM #32H (1/15/19)  
 Project Location: NEW MEXICO  
 Sampler Name: ROGER  
 P.O. #: Company: Oxy  
 Attn: Address: City: State: Zip: Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	CL	BTEX	TPH-EXT
H2209916	BOTTOM 11 @ 2'		1	SOIL			3/8/22	9:50AM	✓	✓	✓
	BOTTOM 12 @ 2'			SOIL			3/8/22	9:55AM	✓	✓	✓
	BOTTOM 13 @ 2'			SOIL			3/8/22	10:00AM	✓	✓	✓
	BOTTOM 14 @ 2'			SOIL			3/8/22	10:05AM	✓	✓	✓
	BOTTOM 15 @ 2'			SOIL			3/8/22	10:10AM	✓	✓	✓
	BOTTOM 16 @ 2'			SOIL			3/8/22	10:15AM	✓	✓	✓
	BOTTOM 17 @ 2'			SOIL			3/8/22	10:20AM	✓	✓	✓
	BOTTOM 18 @ 2'			SOIL			3/8/22	10:25AM	✓	✓	✓
	BOTTOM 19 @ 2'			SOIL			3/8/22	10:30AM	✓	✓	✓
	BOTTOM 20 @ 2'			SOIL			3/8/22	10:35AM	✓	✓	✓

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Relinquished By: [Signature] Date: 3/9/22 Received By: [Signature] Date: 3/14/22  
 Time: 5:00  
 Derived By: (Circle One) [Signature] Time: 12:10  
 Sampler - UPS - Bus - Other: [Signature] -5.2e @ 0.5e -5.7e #113  
 Sample Condition: Cool  Yes  No  
 Contact  Yes  No  
 CHECKED BY: [Signature] (Initials)

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

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

3 of 10

Company Name: BBC International, Inc. **BILL TO** P.O. #: **ANALYSIS REQUEST**  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: OXBOW CC-17-8 FED COM #32H (11/5/19)  
 Project Location: NEW MEXICO  
 Sampler Name: ROGER  
 Company Attn: Oxy  
 Address:   
 City:   
 State: Zip:   
 Phone #:   
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H220910	BOTTOM 21 @ 2'								3/8/22	10:40AM	✓	✓	✓	
	BOTTOM 22 @ 2'								3/8/22	10:45AM	✓	✓	✓	
	BOTTOM 23 @ 2'								3/8/22	10:50AM	✓	✓	✓	
	BOTTOM 24 @ 2'								3/8/22	10:55AM	✓	✓	✓	
	BOTTOM 25 @ 2'								3/8/22	11:00AM	✓	✓	✓	
	BOTTOM 26 @ 2'								3/8/22	11:05AM	✓	✓	✓	
	BOTTOM 27 @ 2'								3/8/22	11:10AM	✓	✓	✓	
	BOTTOM 28 @ 2'								3/8/22	11:15AM	✓	✓	✓	
	BOTTOM 29 @ 2'								3/8/22	11:20AM	✓	✓	✓	
	BOTTOM 30 @ 3'								3/8/22	11:25AM	✓	✓	✓	

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Relinquished By: *Roger H S* Date: 3/9/22 Received By: *Julia French*  
 Time: 5:00  
 Relinquished By: *Julia French* Date: 3/11/22 Received By: *Julia French*  
 Time: 12:10  
 Delivered By: (Circle One) *580 G-0.5c* Sample Condition:  Intact  Cool  Yes  No  
 Sampler - UPS - Bus - Other: *-57 #113* CHECKED BY: *yo* (Initials)

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



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

4/29

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #:   
 Project Manager: Cliff Brunson Company Attn: *Oxy*   
 Address: P.O. Box 805 State: NM Zip: 88241   
 City: Hobbs Fax #: 575-397-0397 Address:   
 Phone #: 575-397-6388 Fax #: 575-397-0397   
 Project #: Project Owner: Oxy City:   
 Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19) State: Zip:   
 Project Location: NEW MEXICO Phone #:   
 Sampler Name: ROGER Fax #:   
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPHEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H220910	BOTTOM 31 @ 3'									3/8/22	11:30AM	✓	✓	✓
	BOTTOM 32 @ 3'									3/8/22	11:35AM	✓	✓	✓
	BOTTOM 33 @ 3'									3/8/22	11:40AM	✓	✓	✓
	BOTTOM 34 @ 3'									3/8/22	11:45AM	✓	✓	✓
	BOTTOM 35 @ 3'									3/8/22	11:50AM	✓	✓	✓
	BOTTOM 36 @ 3'									3/8/22	11:55AM	✓	✓	✓
	BOTTOM 37 @ 3'									3/8/22	12:00PM	✓	✓	✓
	BOTTOM 38 @ 3'									3/8/22	12:05PM	✓	✓	✓
	BOTTOM 39 @ 3'									3/8/22	12:10PM	✓	✓	✓
	BOTTOM 40 @ 3'									3/8/22	12:20PM	✓	✓	✓

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Relinquished By: *Cliff Brunson* Date: *3/8/22* Received By: *Cliff Brunson*   
 Time: *5:06*   
 Reacquired By: *Cliff Brunson* Date: *3-11-22* Received By: *Cliff Brunson*   
 Time: *12:10*   
 Delivered By: *Cliff Brunson* Date: *3-11-22* Received By: *Cliff Brunson*   
 Time: *12:10*   
 Sampler - UPS - Bus - Other: *UPS* Sample Condition:  Intact  Cool  Yes  No   
 CHECKED BY: *Cliff Brunson* (Initials)   
 Phone Result:  Yes  No Add'l Phone #:   
 Fax Result:  Yes  No Add'l Fax #:   
 REMARKS:

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

590

**ANALYSIS REQUEST**

**Company Name:** BBC International, Inc.  
**Project Manager:** Cliff Brunson  
**Address:** P.O. Box 805  
**City:** Hobbs **State:** NM **Zip:** 88241  
**Phone #:** 575-397-6388 **Fax #:** 575-397-0397  
**Project #:** **Project Owner:** Oxy  
**Project Name:** OXBOW CC 17-8 FED COM #32H (11/5/19)  
**Project Location:** NEW MEXICO  
**Sampler Name:** ROGER

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H22096	41		1						3/8/22	12:25PM	✓	✓	✓	
	42		1						3/8/22	12:30PM	✓	✓	✓	
	43		1						3/8/22	12:35PM	✓	✓	✓	
	44		1						3/8/22	12:40PM	✓	✓	✓	
	45		1						3/8/22	12:45PM	✓	✓	✓	
	46		1						3/8/22	12:50PM	✓	✓	✓	
	47		1						3/8/22	1:00PM	✓	✓	✓	
	48		1						3/8/22	1:05PM	✓	✓	✓	
	49		1						3/8/22	1:10PM	✓	✓	✓	
	50		1						3/8/22	1:10PM	✓	✓	✓	

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**Relinquished By:** [Signature] **Date:** 3/9/22 **Received By:** [Signature] **Date:** 3/11/22  
**Time:** 1:05 **Time:** 1:20  
**Delivered By:** (Circle One) [Signature] **Time:** 5:20  
**Sampler - UPS - Bus - Other:** [Signature] **Time:** 5:20  
**Sample Condition:** Cool  Intact   
**Checked By:** [Signature] **Initials:** [Signature]

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

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





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

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

7 of 7

**ANALYSIS REQUEST**

**Company Name:** BBC International, Inc.  
**Project Manager:** Cliff Brunson  
**Address:** P.O. Box 805  
**City:** Hobbs  
**State:** NM **zip:** 88241  
**Phone #:** 575-397-6388 **Fax #:** 575-397-0397  
**Project #:** **Project Owner:** Oxy  
**Project Name:** OXBOW CC 17-8 FED COM #32H (11/5/19)  
**Project Location:** NEW MEXICO  
**Sampler Name:** ROGER  
**FOR LAB USE ONLY**

**BILL TO**

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

Lab I.D.	Sample I.D.	(G)GRAB OR (C)COMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	CL	BTEX	TPH Ext
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
H220996	BOTTOM 61 @ 5'											3/8/22	2:05PM	✓	✓	✓
	BOTTOM 62 @ 5'											3/8/22	2:10PM	✓	✓	✓
	BOTTOM 63 @ 5'											3/8/22	2:15PM	✓	✓	✓
	BOTTOM 64 @ 5'											3/8/22	2:20PM	✓	✓	✓
	BOTTOM 65 @ 5'											3/8/22	2:25PM	✓	✓	✓
	BOTTOM 66 @ 5'											3/8/22	2:30PM	✓	✓	✓
	BOTTOM 67 @ 5'											3/8/22	2:35PM	✓	✓	✓
	BOTTOM 68 @ 5'											3/8/22	2:40PM	✓	✓	✓
	BOTTOM 69 @ 5'											3/8/22	2:45PM	✓	✓	✓
	BOTTOM 70 @ 5'											3/8/22	2:50PM	✓	✓	✓

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**Relinquished By:** [Signature] **Date:** 3/19/22 **Received By:** [Signature] **Date:** 3/11-22  
**Time:** 5:00  
**Relinquished By:** [Signature] **Date:** 3/11-22  
**Time:** 5:00  
**Delivered By:** (Circle One) [Signature] **Time:** 5:22 P.M. **Received By:** [Signature] **Time:** 5:22 P.M.  
**Sampler - UPS - Bus - Other:** [Signature] **Sample Condition:** Intact  Yes  No  
 Cool  Yes  No  
**CHECKED BY:** [Signature] (Initials) **REMARKS:**

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



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

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**BILL TO ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19)  
 Project Location: NEW MEXICO  
 Sampler Name: ROGER  
 P.O. #: Company: Attn: Oxy  
 Address: City: State: Zip: Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	CL	BTEX	TPH-EXT
H220910	BOTTOM 71 @ 5'			GROUNDWATER			3/8/22	2:55PM	✓	✓	✓
	BOTTOM 72 @ 5'			WASTEWATER			3/8/22	3:00PM	✓	✓	✓
	BOTTOM 73 @ 5'			SOIL			3/8/22	3:05PM	✓	✓	✓
	BOTTOM 74 @ 5'			OIL			3/8/22	3:10PM	✓	✓	✓
	BOTTOM 75 @ 5'			SLUDGE			3/8/22	3:15PM	✓	✓	✓
	BOTTOM 76 @ 5'			OTHER :			3/8/22	3:20PM	✓	✓	✓
	BOTTOM 77 @ 5'			ACID/BASE:			3/8/22	3:25PM	✓	✓	✓
	BOTTOM 78 @ 5'			ICE / COOL			3/8/22	3:30PM	✓	✓	✓
	BOTTOM 79 @ 5'			OTHER :			3/8/22	3:35PM	✓	✓	✓
	BOTTOM 80 @ 5'						3/8/22	3:40PM	✓	✓	✓

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Relinquished By: [Signature] Date: 3/19/22 Received By: [Signature] Date: 3/11-22  
 Time: 5:05  
 Delivered By: (Circle One) [Signature] Time: 12:10  
 Sampler - UPS - Bus - Other: [Signature] Sample Condition: [Signature]  
 Cool Infract: [Signature] CHECKED BY: [Signature]  
 Yes No Yes No Yes No Yes No

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**ARDINAL LABORATORIES**

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

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Company Name: BBC International, Inc. **BILL TO**  
 Project Manager: Cliff Brunson P.O. #:  
 Address: P.O. Box 805 Company: *Oxy*  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397 Attn:  
 Project #: Project Owner: Oxy Address:  
 Project Name: OXBOW CC 17-8 FED COM #32H (11/5/19) City:  
 Project Location: NEW MEXICO State: Zip:  
 Sampler Name: ROGER Phone #:  
 FOR LAB USE ONLY Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV			SAMPLING		DATE	TIME	CL	BTEX	TPH ECT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					
<i>H2109910</i>																			
<i>91</i>	SIDEWALL 11																		
<i>92</i>	SIDEWALL 12																		
<i>93</i>	SIDEWALL 13																		
<i>94</i>	SIDEWALL 14																		
<i>95</i>	SIDEWALL 15																		
<i>910</i>	SIDEWALL 16																		

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Relinquished By: *[Signature]* Date: *3/9/22* Received By: *[Signature]* Date: *3-11-22*  
 Time: *5:00* Received By: *[Signature]* Date: *3-11-22*  
 Delivered By: *[Signature]* (Circle One) Time: *7:20* Received By: *[Signature]* Date: *3-11-22*  
 Sampler - UPS - Bus - Other: *5-20 20-58* Sample Condition:  Yes  No  
 Cool Impact:  Yes  No  
 CHECKED BY: *[Signature]* (Initials) *[Signature]*

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

**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 107911

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 107911
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/29/2022