

Closure Report

INCIDENT ID #nRM2018237619

Site Description

Site Name:	WDDU #112
Company:	Oxy USA, Inc.
Legal Description:	U/L M, Section 33, T24S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.1678, W-103.0704

Release Data

Date of Release:	6/11/2022
Type of Release:	Produced water, Crude Oil
Source of Release:	INTERNAL CORROSION
Volume of Release:	24 BBLS ,2 BBLS
Volume Recovered:	20 BBLS ,1BBLS

Remediation Specifications

Remediation Parameters:	<p>OXY excavated the spill area as depicted on the following site diagram. The leak area near SP1 – SP5, and SB1 (purple shade on diagram) Was excavated to a depth of 4 feet. OXY requests a variance per 19.15.29.14 NMAC to install an impermeable liner (20 mil plastic) into the bottom of the excavation. This variance is requested due to the safety concerns of a deeper excavation and the liner will be protective of further migration of the chloride impact.</p> <p>In addition, OXY collected only sidewall confirmation samples every 300 square feet since there will an impermeable liner in the bottom and deeper sample data exists in this report.</p>
Remediation Activities:	

Plan Sent to OCD:	3/19/2021	
OCD Approval of Plan:	4/12/2021	
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 11/4/22,11/8/22	
Notifications	11/1/2022, 11/2/2022	

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

11/30/2022

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2018237619
District RP	
Facility ID	
Application ID	

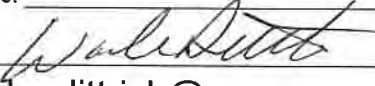
Closure

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 OCD 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: 11-22-22
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 01/05/2023
Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: [Cliff Brunson](#)
To: [Kathy Sweeney](#)
Cc: "Ken Swinney"; "Jennifer Gilkey"
Subject: FW: [EXTERNAL] OXY - WDDU #112 (nRM2018237619) - Sampling Notification
Date: Wednesday, November 2, 2022 10:20:05 AM
Attachments: [image001.jpg](#)
[image002.jpg](#)

FYI....

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Wednesday, November 2, 2022 10:09 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] OXY - WDDU #112 (nRM2018237619) - Sampling Notification

Cliff

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please note that the responsible party must provide at least two business days' notice to the OCD as opposed to 48-hour notification.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Wednesday, November 2, 2022 9:19 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: FW: [EXTERNAL] OXY - WDDU #112 (nRM2018237619) - Sampling Notification

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



From: Cliff Brunson <cbrunson@bbcinternational.com>

Sent: Tuesday, November 1, 2022 5:05 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: 'Wade Dittrich' <Wade_Dittrich@oxy.com>; tyson_pierce@oxy.com; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; Kathy Sweeney <kathys@bbcinternational.com>

Subject: [EXTERNAL] OXY - WDDU #112 (nRM2018237619) - Sampling Notification

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

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the WDDU #112 (nRM2018237619) on Friday, November 4, 2022 at 9:00 a.m.

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

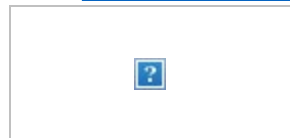
1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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OXY- WDDU #112

LEAK DATE 6/11/2020

LEA CO, NM

INCIDENT ID#nRM2018237619

Legend



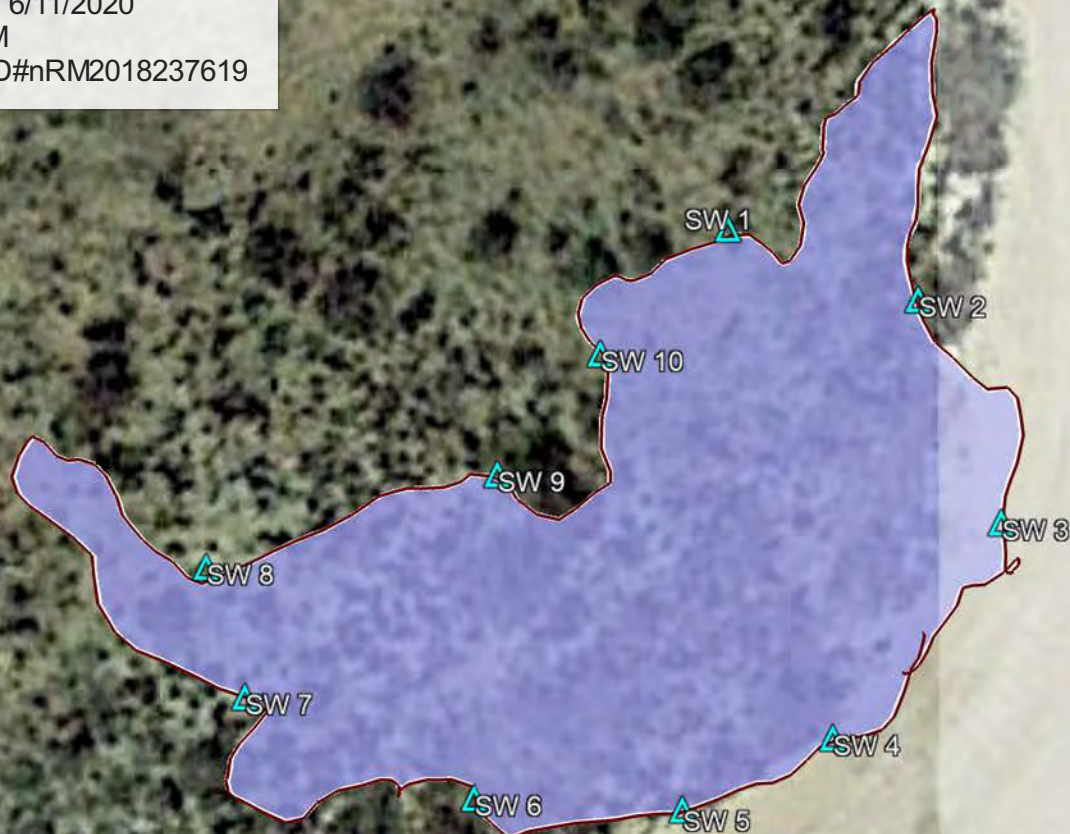
LEAK AREA



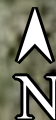
SIDEWALL CONFIRMATION SAMPLE POINTS



EXCAVATION WITH LINER



Google Earth



90 ft

OXY-WWDU #112 (6-11-20) SAMPLE DATE 11/4/2022

SIDEWALL SAMPLE POINTS

SW 1	N 32.10461	W-103.41344
SW 2	N 32.10452	W-103.41315
SW 3	N 32.10423	W-103.41302
SW 4	N 32.10395	W-103.41328
SW 5	N 32.10386	W-103.41351
SW 6	N 32.10388	W-103.41383
SW 7	N 32.10401	W-103.41418
SW 8	N 32.10417	W-103.41424
SW 9	N 32.10426	W-103.41375
SW 10	N 32.10445	W-103.41364

	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8	SW 9	SW 10
Analyte	Date	11/4/22	11/4/22	11/4/22	11/4/22	11/4/22	11/4/22	11/4/22	11/4/22	11/4/22	11/4/22
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		192.0	112.0	144.0	208.0	160.0	176.0	96.0	192.0	160.0	224.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





WDDU #112 (6-11-20)





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

November 08, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WDDU #112

Enclosed are the results of analyses for samples received by the laboratory on 11/07/22 8:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/07/2022	Sampling Date:	11/04/2022
Reported:	11/08/2022	Sampling Type:	Soil
Project Name:	WDDU #112	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SIDEWALL 1 (H225235-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/07/2022	ND	1.93	96.7	2.00	5.68	
Toluene*	<0.050	0.050	11/07/2022	ND	1.97	98.5	2.00	5.41	
Ethylbenzene*	<0.050	0.050	11/07/2022	ND	1.94	97.1	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/07/2022	ND	5.97	99.5	6.00	4.00	
Total BTX	<0.300	0.300	11/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/07/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2022	ND	198	99.2	200	0.732	
DRO >C10-C28*	<10.0	10.0	11/07/2022	ND	196	97.9	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/07/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.0 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 2 (H225235-02)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/07/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/07/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/07/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/07/2022	ND	5.97	99.5	6.00	4.00		
Total BTX	<0.300	0.300	11/07/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/07/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2022	ND	193	96.3	200	7.83	
DRO >C10-C28*	<10.0	10.0	11/07/2022	ND	196	98.2	200	4.04	
EXT DRO >C28-C36	<10.0	10.0	11/07/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.3 % 46.3-178

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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: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 3 (H225235-03)

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	11/07/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/07/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/07/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/07/2022	ND	5.97	99.5	6.00	4.00		
Total BTEx	<0.300	0.300	11/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/07/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 69.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.6 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 4 (H225235-04)

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	11/08/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00		
Total BTEx	<0.300	0.300	11/08/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/07/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 5 (H225235-05)

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	11/08/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00		
Total BTEx	<0.300	0.300	11/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/07/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.7 % 46.3-178

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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: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 6 (H225235-06)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68	
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00	
Total BTX	<0.300	0.300	11/08/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/07/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 7 (H225235-07)

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	11/08/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00		
Total BTEx	<0.300	0.300	11/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/07/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 8 (H225235-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68	
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41	
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44	
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00	
Total BTX	<0.300	0.300	11/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/07/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 9 (H225235-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00		
Total BTX	<0.300	0.300	11/08/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/07/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/07/2022
 Reported: 11/08/2022
 Project Name: WDDU #112
 Project Number: NONE GIVEN
 Project Location: OXY - LEA CO NM

Sampling Date: 11/04/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SIDEWALL 10 (H225235-10)

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	11/08/2022	ND	1.93	96.7	2.00	5.68		
Toluene*	<0.050	0.050	11/08/2022	ND	1.97	98.5	2.00	5.41		
Ethylbenzene*	<0.050	0.050	11/08/2022	ND	1.94	97.1	2.00	4.44		
Total Xylenes*	<0.150	0.150	11/08/2022	ND	5.97	99.5	6.00	4.00		
Total BTEx	<0.300	0.300	11/08/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/07/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	220	110	200	5.69	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	258	129	200	23.8	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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 163154

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 163154
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/5/2023