

Closure Report

ID #nGRL1312939518

Site Description

Site Name:	NORTH HOBBS UNIT SATELLITE 32W
Company:	Oxy USA, Inc.
Legal Description:	U/K ,S32, 18, 38
County:	LEA
GPS Coordinates:	N 32.420373 , W-103.102057

Release Data

Date of Release:	4/30/2013
Type of Release:	PRODUCED WATER
Source of Release:	3" STEEL ZAPLOCK FLOWLINE
Volume of Release:	250 BBLS
Volume Recovered:	70 BBLS

Remediation Specifications

Remediation Parameters:	This site is listed on the Agreed Compliance Order of 4/5/19. This site had previously been remediated but apparently no paperwork exists on the NMOCD website for closure verification. Therefore, OXY is submitting documentation that verifies remediation was conducted and completed per OCD approval.

Plan Sent to OCD:		
OCD Approval of Plan:		
Plan Sent to BLM:		
BLM Approval of Plan:		

Supporting Documentation

C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Closure photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for	8/2/23,8/10/23
Notifications	07/28/2023, 07/31/2023	

Request for Closure

<p>Based on the completion of the remediation, OXY requests closure approval from NMOCD.</p> <p>Cliff P. Brunson President, BBC International, Inc.</p> <p style="text-align: right;">8/22/2022</p>

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	nGL1312939518
District RP	
Facility ID	
Application ID	

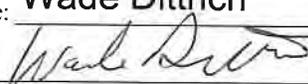
Closure

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 8-16-23
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Shelly Wells Date: 8/22/2023

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

Closure Approved by:  Date: 8/23/2023
 Printed Name: Jocelyn Harimon Title: Environmental Specialist

From: [Cliff P. Brunson](#)
To: OCD.Enviro@emnrd.nm.gov
Cc: [Wade Dittrich](#); [Tyson Pierce](#); [Kathy Sweeney](#); [Jennifer Gilkey](#)
Subject: OXY - NHU Satellite 32W (4-30-13) ACO (nGRL1312939518) - Sampling Notification
Date: Friday, July 28, 2023 5:36:55 PM

This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the NHU Satellite 32W (4-30-13) ACO (nGRL1312939518) on Wednesday, August 2, 2023 at 8:00 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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From: [Wells, Shelly, EMNRD](#)
To: [Cliff P. Brunson](#)
Cc: [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: RE: [EXTERNAL] OXY - NHU Satellite 32W (4-30-13) ACO (nGRL1312939518) - Sampling Notification
Date: Monday, July 31, 2023 9:49:55 AM

Hi Cliff,

The OCD has received your notification. 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.

Thank you,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Cliff P. Brunson <cbrunson@bbcinternational.com>
Sent: Friday, July 28, 2023 5:37 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Wade Dittrich <Wade_Dittrich@oxy.com>; Tyson Pierce <tyson_pierce@oxy.com>; Kathy Sweeney <kathys@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>
Subject: [EXTERNAL] OXY - NHU Satellite 32W (4-30-13) ACO (nGRL1312939518) - Sampling Notification

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This is a notification that BBC will conduct confirmation sampling on behalf of OXY at the NHU Satellite 32W (4-30-13) ACO (nGRL1312939518) on Wednesday, August 2, 2023 at 8:00 a.m.

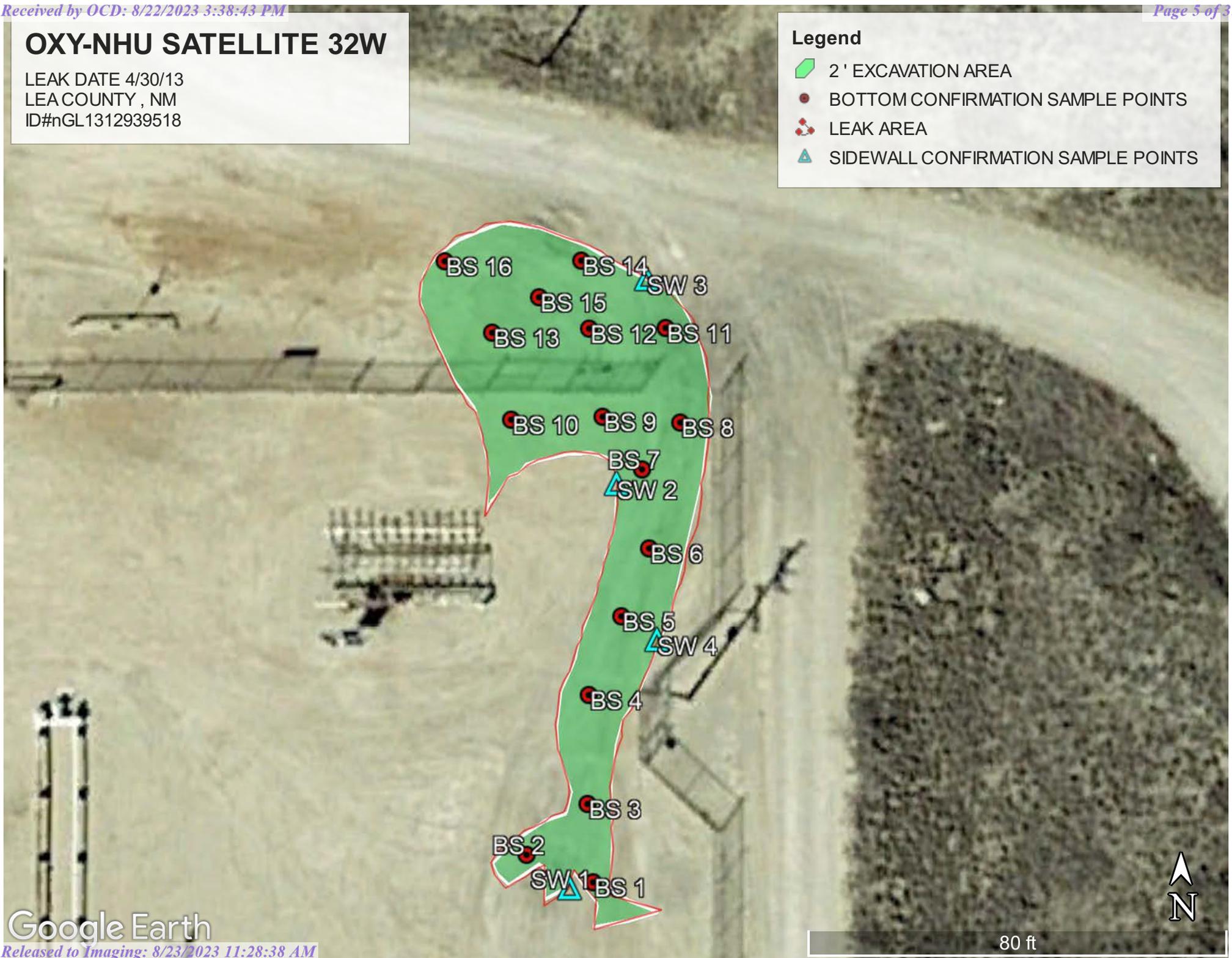
Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.

OXY-NHU SATELLITE 32W

LEAK DATE 4/30/13
LEA COUNTY, NM
ID#nGL1312939518

Legend

-  2' EXCAVATION AREA
-  BOTTOM CONFIRMATION SAMPLE POINTS
-  LEAK AREA
-  SIDEWALL CONFIRMATION SAMPLE POINTS



Google Earth

80 ft



OXY-NHU SATELLITE 32W (4/30/13)

SAMPLE DATE 8/2/23

BOTTOM SAMPLE POINTS

BS 1@2'	N 32.70140	W-103.17178
BS 2@2'	N 32.70139	W-103.17181
BS 3@2'	N 32.70143	W-103.17177
BS 4@2'	N 32.70150	W-103.17176
BS 5@2'	N 32.70155	W-103.17174
BS 6@2'	N 32.70160	W-103.17173
BS 7@2'	N 32.70163	W-103.17177
BS 8@2'	N 32.70165	W-103.17171
BS 9@2'	N 32.70165	W-103.17176
BS 10@2'	N 32.70166	W-103.17181
BS 11@2'	N 32.70170	W-103.17171
BS 12@2'	N 32.70171	W-103.17177
BS 13@2'	N 32.70171	W-103.17183
BS 14@2'	N 32.70176	W-103.17175
BS 15@2'	N 32.70174	W-103.17181
BS 16@2'	N 32.70176	W-103.17187

SIDEWALL SAMPLE POINTS

SW 1	N 32.70133	W-103.17178
SW 2	N 32.70160	W-103.17177
SW 3	N 32.70173	W-103.17173
SW 4	N 32.70152	W-103.17171

	Sample ID	BS 1@2'	BS 2@2'	BS 3@2'	BS 4@2'	BS 5@2'	BS 6@2'	BS 7@2'	BS 8@2'	BS 9@2'	BS 10@2'	BS 11@2'	BS 12@2'	BS 13@2'	BS 14@2'	BS 15@2'	BS 16@2'
Analyte	Date	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23	8/2/23
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		16.0	32.0	<16.0	<16.0	16.0	16.0	32.0	16.0	16.0	32.0	16.0	32.0	16.0	32.0	32.0	32.0
GRO		<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

	Sample ID	SW 1	SW 2	SW 3	SW 4
Analyte	Date	8/2/23	8/2/23	8/2/23	8/2/23
		mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300
Chloride		16.0	32.0	32.0	32.0
GRO		<10.0	<10.0	<10.0	<100.00
DRO		<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0



OXY-NHU SATELLITE 32W (4/30/13)





OXY-NHU SATELLITE 32W (4/30/13)





OXY-NHU SATELLITE 32W (4/30/13)





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

August 10, 2023

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NHU SATELLITE 32 W (4/30/13)

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 8:05.

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.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 1 @ 2' (H234104-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.03	101	2.00	6.40	
Toluene*	<0.050	0.050	08/08/2023	ND	2.09	104	2.00	6.00	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.16	108	2.00	6.38	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.64	111	6.00	6.44	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 2 @ 2' (H234104-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.03	101	2.00	6.40	
Toluene*	<0.050	0.050	08/08/2023	ND	2.09	104	2.00	6.00	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.16	108	2.00	6.38	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.64	111	6.00	6.44	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 3 @ 2' (H234104-03)

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	08/08/2023	ND	2.03	101	2.00	6.40		
Toluene*	<0.050	0.050	08/08/2023	ND	2.09	104	2.00	6.00		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.16	108	2.00	6.38		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.64	111	6.00	6.44		
Total BTEX	<0.300	0.300	08/08/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 4 @ 2' (H234104-04)

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	08/08/2023	ND	2.03	101	2.00	6.40		
Toluene*	<0.050	0.050	08/08/2023	ND	2.09	104	2.00	6.00		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.16	108	2.00	6.38		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.64	111	6.00	6.44		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 5 @ 2' (H234104-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.03	101	2.00	6.40		
Toluene*	<0.050	0.050	08/08/2023	ND	2.09	104	2.00	6.00		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.16	108	2.00	6.38		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.64	111	6.00	6.44		
Total BTEX	<0.300	0.300	08/08/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 6 @ 2' (H234104-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.00	100	2.00	2.62		
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870		
Total BTEX	<0.300	0.300	08/08/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 7 @ 2' (H234104-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 8 @ 2' (H234104-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 9 @ 2' (H234104-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 10 @ 2' (H234104-10)

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	08/08/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 11 @ 2' (H234104-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 12 @ 2' (H234104-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.00	100	2.00	2.62		
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	162	81.2	200	0.502		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	179	89.4	200	1.52		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 13 @ 2' (H234104-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/08/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/08/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 14 @ 2' (H234104-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62		
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870		
Total BTEX	<0.300	0.300	08/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	175	87.4	200	3.32		
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	184	92.2	200	4.26		
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND						

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 15 @ 2' (H234104-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62		
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870		
Total BTEX	<0.300	0.300	08/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	175	87.4	200	3.32		
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	184	92.2	200	4.26		
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND						

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM SAMPLE 16 @ 2' (H234104-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 (H234104-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 (H234104-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

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

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 3 (H234104-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	NHU SATELLITE 32 W (4/30/13)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 (H234104-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62		
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870		
Total BTEX	<0.300	0.300	08/09/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: NHU Satellite 32W (4/30/13) Project Location: New Mexico Sampler Name: SIMON RENDON		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy		BILL TO	
FOR LAB USE ONLY Lab I.D. H23404 Sample I.D.		MATRIX (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> OIL _____ SLUDGE _____ OTHER : _____ ACID/BASE: _____ ICE / COOL _____ OTHER : _____	
PREPARED BY: _____ DATE: _____ TIME: _____		PRESERV. _____ SAMPLING _____	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising under this contract or not, shall be limited to the amount paid by the client for the service. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		DATE TIME 8/2/23 7:50AM ✓ 8/2/23 8:12AM ✓ 8/2/23 9:42AM ✓ 8/2/23 10:01AM ✓ 8/2/23 10:18AM ✓ 8/2/23 10:33AM ✓ 8/2/23 10:49AM ✓ 8/2/23 11:10AM ✓ 8/2/23 11:26AM ✓ 8/2/23 11:42AM ✓	
Relinquished By: _____ Date: 8-3-23 Time: 8:05 Received By: <i>Simona Delatorre</i>		ANALYSIS REQUEST Chloride BTEX TPHEXT	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -96c #140 Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: <i>AS</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ 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

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: NHU Satellite 32W (4/30/13) City: _____ State: _____ Zip: _____ Project Location: New Mexico Phone #: _____ Fax #: _____ Sampler Name: SIMON RENDON		BILL TO P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. H234104 Sample I.D. _____ 11 BOTTOM SAMPLE 11@2' (G)RAB OR (C)OMP. _____ 12 BOTTOM SAMPLE 12@2' # CONTAINERS _____ 13 BOTTOM SAMPLE 13@2' GROUNDWATER _____ 14 BOTTOM SAMPLE 14@2' WASTEWATER _____ 15 BOTTOM SAMPLE 15@2' SOIL _____ 16 BOTTOM SAMPLE 16@2' OIL _____ 17 SIDEWALL 1 SLUDGE _____ 18 SIDEWALL 2 OTHER : _____ 19 SIDEWALL 3 ACID/BASE: _____ 20 SIDEWALL 4 ICE / COOL _____ OTHER : _____		MATRIX _____ PRESERV. _____ SAMPLING _____ DATE TIME 8/2/23 12:02PM ✓ 8/2/23 12:46PM ✓ 8/2/23 1:05PM ✓ 8/2/23 1:21PM ✓ 8/2/23 1:35PM ✓ 8/2/23 1:52PM ✓ 8/2/23 2:10PM ✓ 8/2/23 2:31PM ✓ 8/2/23 2:50PM ✓ 8/2/23 3:08PM ✓	
Relinquished By: <i>[Signature]</i> Date: 8-3-23 Time: 8:05 Received By: <i>[Signature]</i>		CHECKED BY: <i>[Signature]</i> Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: 9.6c #140 \$140		REMARKS: _____ Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____	

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

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

District II
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District III
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 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 255683

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 255683
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/23/2023