

# Closure Report

INCIDENT ID#nCS1932439585

## Site Description

Site Name:	BRAVO DOME UNIT 1934-261D
Company:	Oxy USA, Inc.
Legal Description:	U/L D, Section 26, T19N, R34E
County:	Harding County, NM
GPS Coordinates:	N35.85471, WW-103.29989

## Release Data

Date of Release:	9/6/2019
Type of Release:	PRODUCED WATER
Source of Release:	INTERNAL CORROSION OF LINE
Volume of Release:	19.3 BBLS
Volume Recovered:	0 BBLS

## Remediation Specifications

Remediation Parameters:	<p>OXY excavated the spill area as depicted on the following site diagram. The entire leak area (YELLOW shade on diagram) was excavated to a depth of 1 foot. Bottom confirmation samples was collected every 75 feet.</p>
Remediation Activities:	8/22/2024-10/18/2024

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	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 9/17/24,9/18/24 ,9/27/24	
Notifications	9/11/2024	





## Request for Closure

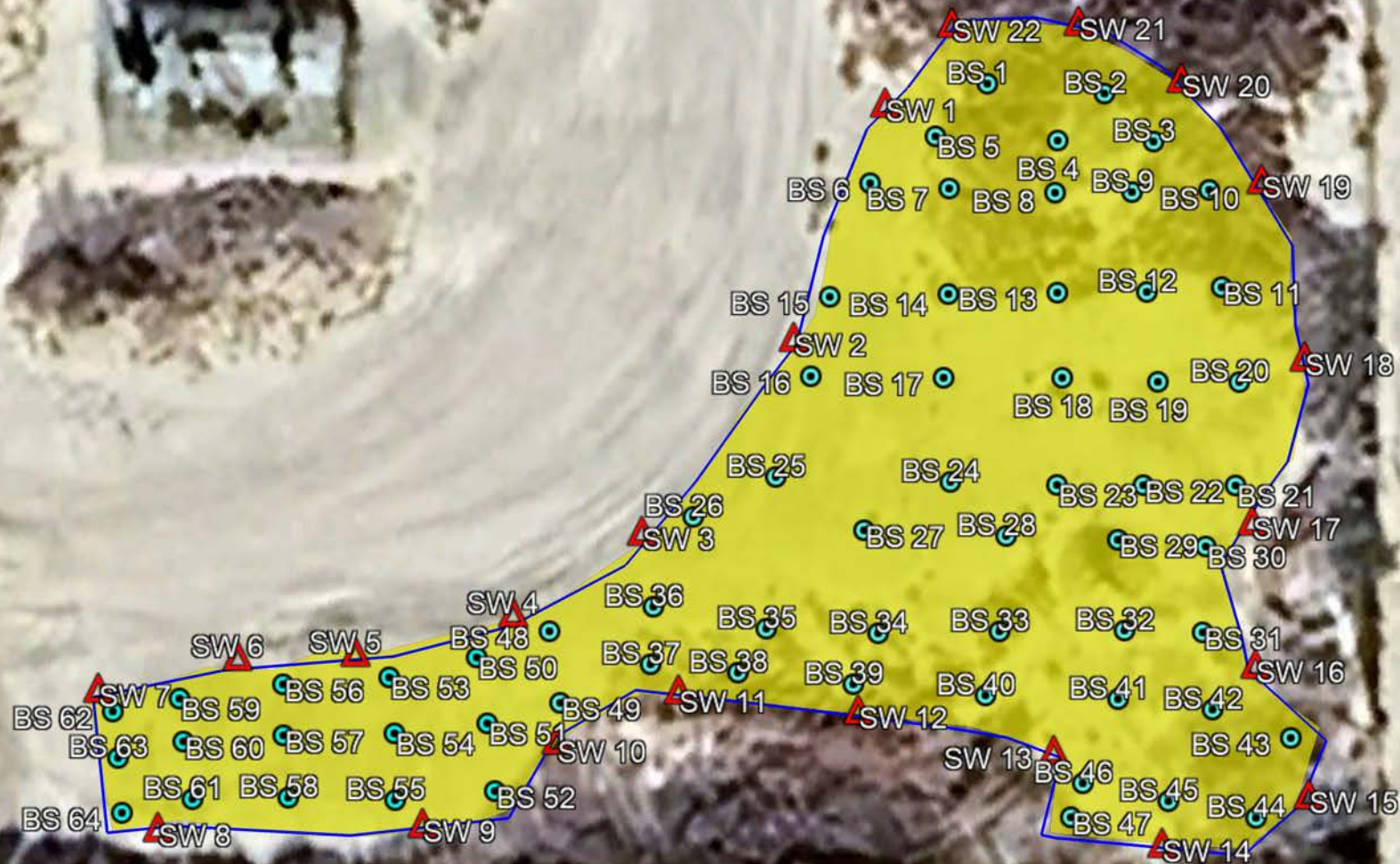
Based on the completion of the remediation, OXY requests closure approval from the NMOCD.	
Cliff Brunson, President of BBC International Inc.	12/18/2024

# OXY, BRAVO DOME UNIT 1934 261D

LEAK DATE :9/6/19  
UNION COUNTY,NM  
ID#nCS1932439585

## Legend

-  1 ft Excavation across entire leak area
-  BOTTOM CONFIRMATION SAMPLE POINTS
-  Leak Area
-  SIDEWALL CONFIRMATION SAMPLE POINTS



Google Earth



100 ft

OXY,BRAVO DOME UNIT 1934 261D (9/6/19) SAMPLE DATE 9/17/24-9/18/24

## BOTTOM SAMPLE POINTS

BS 1@1'	N 35.855005	W-103.299801
BS 2@1'	N 35.855000	W-103.299734
BS 3@1'	N 35.854978	W-103.299707
BS 4@1'	N 35.854979	W-103.299761
BS 5@1'	N 35.854981	W-103.299830
BS 6@1'	N 35.854959	W-103.299867
BS 7@1'	N 35.854957	W-103.299823
BS 8@1'	N 35.854955	W-103.299762
BS 9@1'	N 35.854955	W-103.299719
BS 10@1'	N 35.854956	W-103.299675
BS 11@1'	N 35.854911	W-103.299668
BS 12@1'	N 35.854909	W-103.299710
BS 13@1'	N 35.854909	W-103.299761
BS 14@1'	N 35.854908	W-103.299823
BS 15@1'	N 35.854907	W-103.299890
BS 16@1'	N 35.854870	W-103.299901
BS 17@1'	N 35.854869	W-103.299826
BS 18@1'	N 35.854869	W-103.299758
BS 19@1'	N 35.854868	W-103.299704
BS 20@1'	N 35.854868	W-103.299658
BS 21@1'	N 35.854820	W-103.299676
BS 22@1'	N 35.854820	W-103.299712
BS 23@1'	N 35.854820	W-103.299761
BS 24@1'	N 35.854822	W-103.299822
BS 25@1'	N 35.854824	W-103.299921
BS 26@1'	N 35.854806	W-103.299968
BS 27@1'	N 35.854799	W-103.299871
BS 28@1'	N 35.854797	W-103.299790
BS 29@1'	N 35.854794	W-103.299717
BS 30@1'	N 35.854795	W-103.299673
BS 31@1'	N 35.854753	W-103.299679
BS 32@1'	N 35.854753	W-103.299723
BS 33@1'	N 35.854753	W-103.299794
BS 34@1'	N 35.854753	W-103.299859
BS 35@1'	N 35.854754	W-103.299926
BS 36@1'	N 35.854764	W-103.299990
BS 37@1'	N 35.854738	W-103.299992
BS 38@1'	N 35.854734	W-103.299942
BS 39@1'	N 35.854729	W-103.299877



BS 40@1'	N 35.854724	W-103.299802
BS 41@1'	N 35.854722	W-103.299727
BS 42@1'	N 35.854717	W-103.299674
BS 43@1'	N 35.854704	W-103.299630
BS 44@1'	N 35.854668	W-103.299650
BS 45@1'	N 35.854676	W-103.299699
BS 46@1'	N 35.854684	W-103.299747
BS 47@1'	N 35.854668	W-103.299754
BS 48@1'	N 35.854753	W-103.300049
BS 49@1'	N 35.854720	W-103.300043
BS 50@1'	N 35.854741	W-103.300090
BS 51@1'	N 35.854711	W-103.300084
BS 52@1'	N 35.854680	W-103.300079
BS 53@1'	N 35.854732	W-103.300139
BS 54@1'	N 35.854707	W-103.300136
BS 55@1'	N 35.854476	W-103.300135
BS 56@1'	N 35.854729	W-103.300199
BS 57@1'	N 35.854706	W-103.300199
BS 58@1'	N 35.854678	W-103.300195
BS 59@1'	N 35.854723	W-103.300257
BS 60@1'	N 35.854703	W-103.300255
BS 61@1'	N 35.854677	W-103.300249
BS 62@1'	N 35.854717	W-103.300294
BS 63@1'	N 35.854696	W-103.300291
BS 64@1'	N 35.854671	W-103.300288

## SIDEWALL SAMPLE POINTS

SW 1	N 35.854995	W-103.299859
SW 2	N 35.854888	W-103.299911
SW 3	N 35.854798	W-103.299997
SW 4	N 35.854761	W-103.300070
SW 5	N 35.854743	W-103.300159
SW 6	N 35.854741	W-103.300225
SW 7	N 35.854727	W-103.300304
SW 8	N 35.854664	W-103.300268
SW 9	N 35.854665	W-103.300121
SW 10	N 35.854703	W-103.300045
SW 11	N 35.854726	W-103.299977
SW 12	N 35.854716	W-103.299875
SW 13	N 35.854698	W-103.299764
SW 14	N 35.854656	W-103.299703
SW 15	N 35.854678	W-103.299620



SW 16	N 35.854737	W-103.299650
SW 17	N 35.854803	W-103.299651
SW 18	N 35.854879	W-103.299622
SW 19	N 35.854982	W-103.299664
SW 20	N 35.855007	W-103.299691
SW 21	N 35.855033	W-103.299750
SW 22	N 35.855032	W-103.299822

[illegible][illegible][illegible]

	Sample ID	BS 55@1'	BS 56@1'	BS 57@1'	BS 58@1'	BS 59@1'	BS 60@1'	BS 61@1'	BS 62@1'	BS 63@1'	BS 64@1'
Analyte	Date	9/18/24	9/18/24	9/18/24	9/18/24	9/18/24	9/18/24	9/18/24	9/18/24	9/18/24	9/18/24
		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		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
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

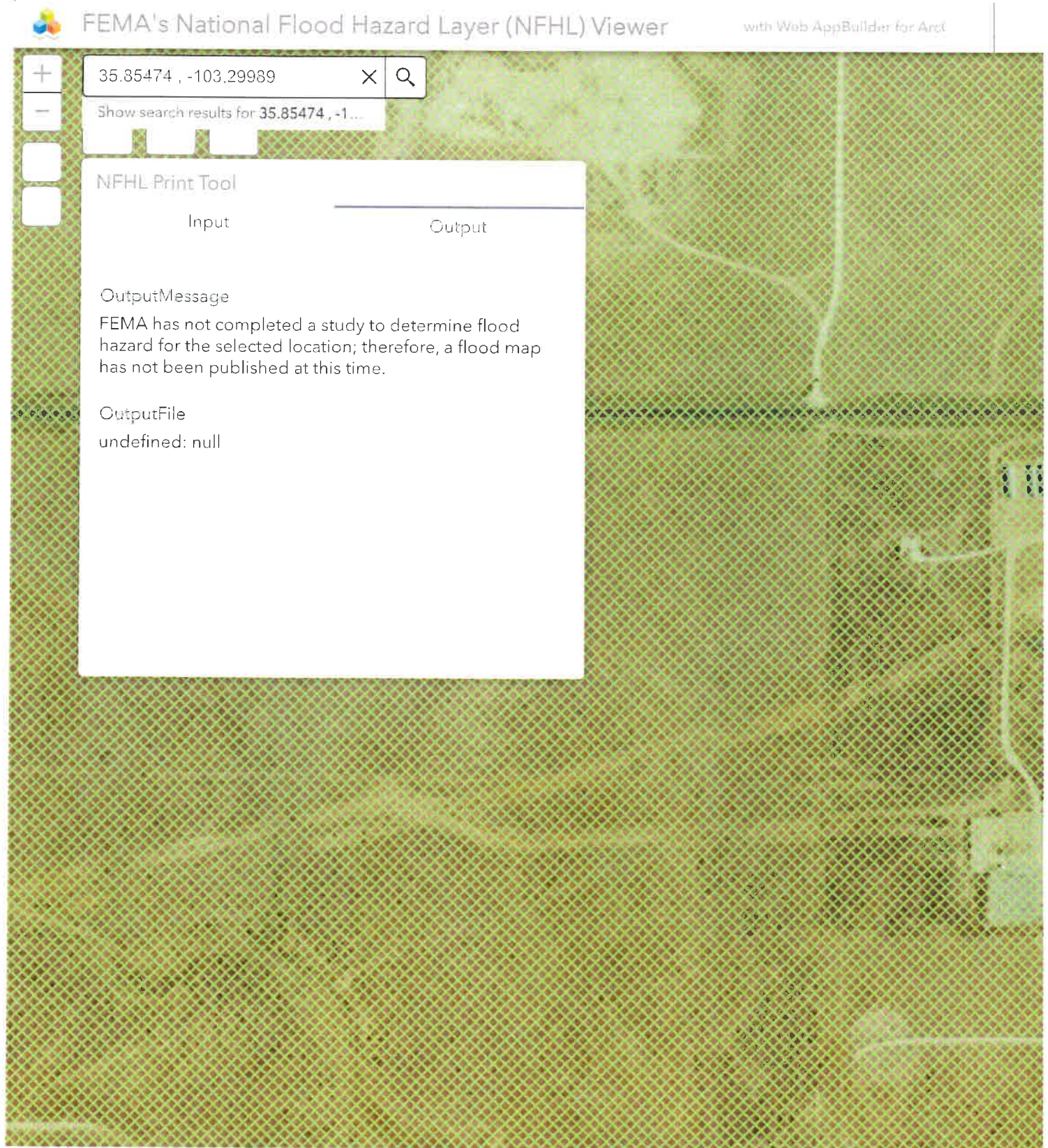
	Sample ID	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8	SW 9	SW 10	SW 11	SW 12	SW 13	SW 14	SW 15	SW 16	SW 17	SW 18
Analyte	Date	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24	9/19/24
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	16.0	<16.0	<16.0
GRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

	Sample ID	SW 19	SW 20	SW 21	SW 22
Analyte	Date	9/19/24	9/19/24	9/19/24	9/19/24
		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	<16.0	<16.0	<16.0
GRO		<10.0	<10.0	<10.0	<10.0
DRO		<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0



10/3/24, 2:45 PM

FEMA's National Flood Hazard Layer (NFHL) Viewer



FEMA's National Flood Hazard Layer (NFHL) Viewer

with Web AppBuilder for ArcGIS

35.85474 , -103.29989

Show search results for 35.85474 , -1...

NFHL Print Tool

Input

Output

OutputMessage

FEMA has not completed a study to determine flood hazard for the selected location; therefore, a flood map has not been published at this time.

OutputFile

undefined: null

300ft

App State

Click to restore the map extent and layers visibility where you left off










OXY,BRAVO DOME UNIT 1934-261D (9/6/



October 3, 2024

**Wetlands**

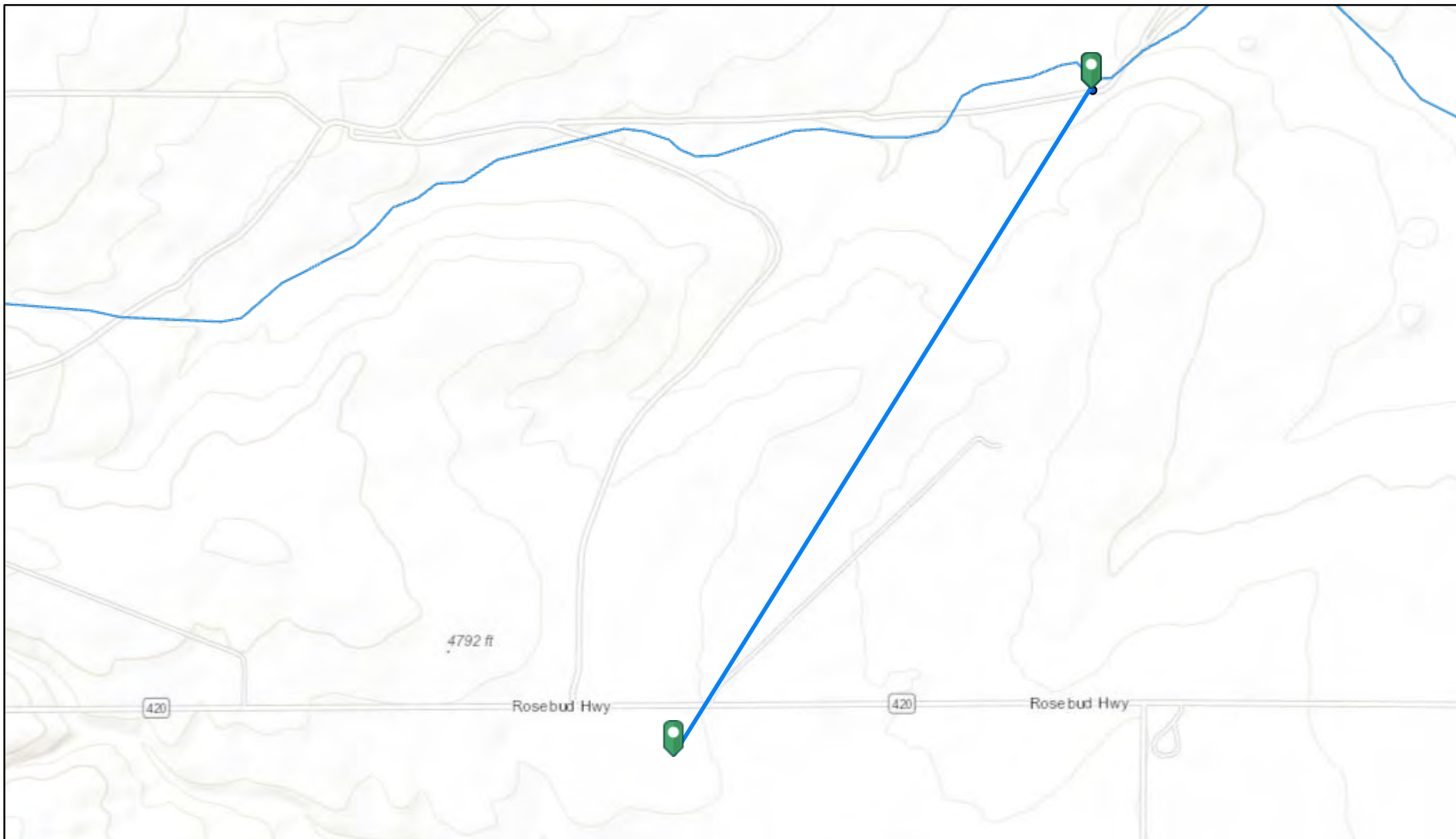
-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# OXY,BRAVO DOME UNIT 1934-261D (9/6/19) 7,175.4FT OR 1.36 MILES TO WATER POD

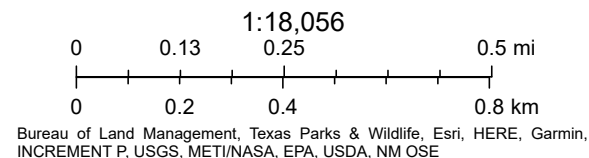


10/3/2024, 2:17:10 PM

OSE Water PODs

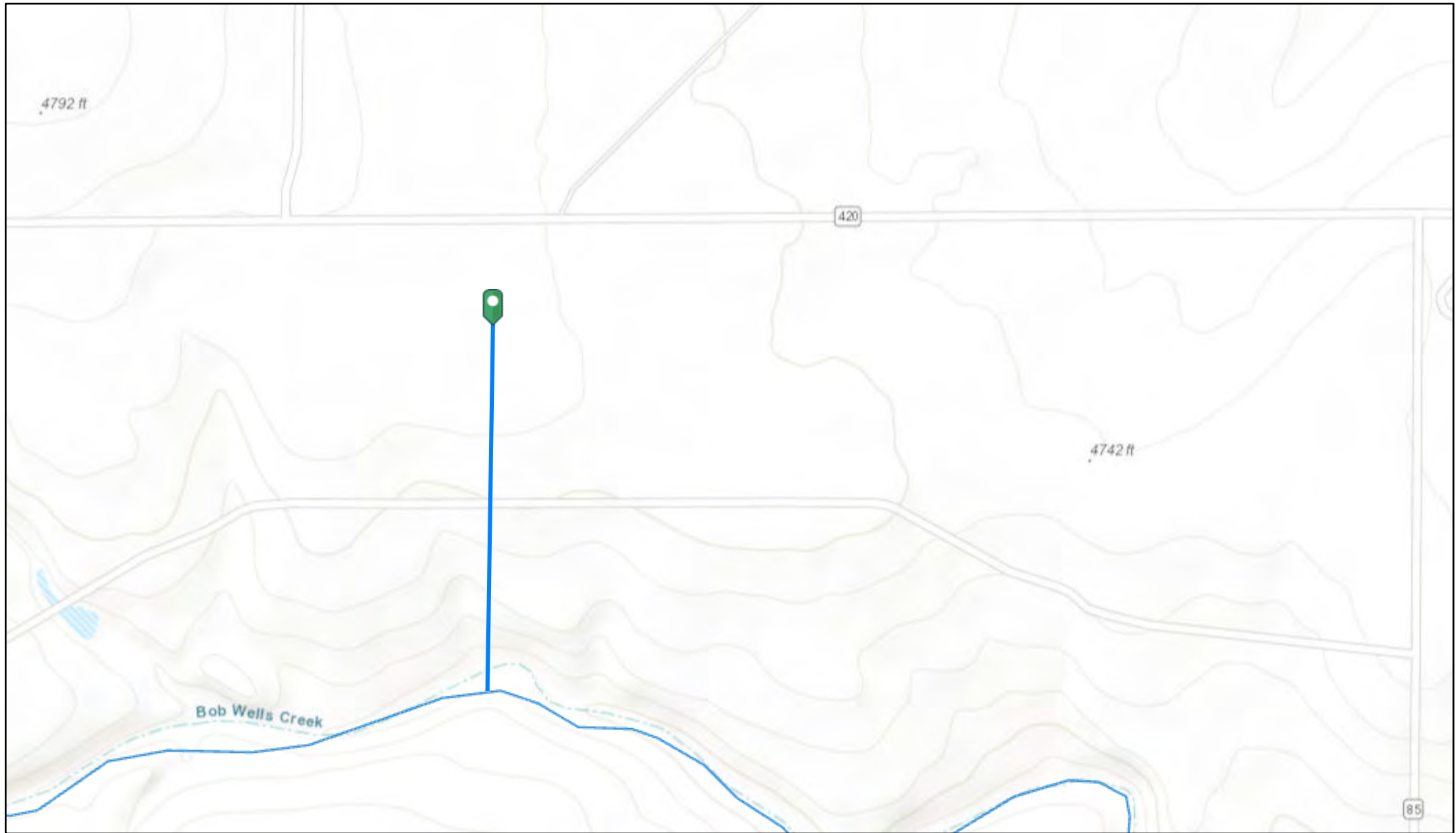
• Active

— OSE Streams



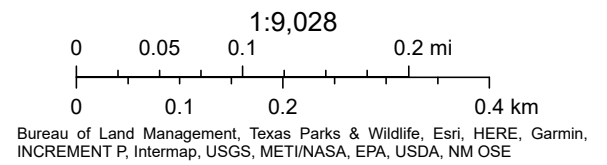


# OXY,BRAVO DOME UNIT 1934-261D (9/6/19) 1,652.5 FT OR 0.32 MILES TO H2O



10/3/2024, 2:12:14 PM

— OSE Streams





# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

Received

MAY 05 2022

Office of the State Engineer  
District VII Cimarron Office

TWF


1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 <b>CT- 2441</b>		WELL TAG ID NO. 70196		OSE FILE NO(S) CT 02441 <b>Pool</b>			
	WELL OWNER NAME(S) Hutcherson Family, LTD. C/O Mike Hutcherson				PHONE (OPTIONAL) 806-239-7514			
	WELL OWNER MAILING ADDRESS 4304 94TH				CITY Lubbock		STATE TX. 79423 ZIP	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 35	MINUTES 52	SECONDS 17.22 287	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Sec 14 T19N R34E Union Co. From Hwy 420 & C106 West on 420 1.13 mi., North into pasture 1.04 mi. to windmill and tank. <b>SW 1/4, SE 1/4, SE 1/4, SE 1/4</b>								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1831		NAME OF LICENSED DRILLER Raymond Teeter			NAME OF WELL DRILLING COMPANY 3T Drilling, Inc.		
	DRILLING STARTED 4/5/22	DRILLING ENDED 4/5/22	DEPTH OF COMPLETED WELL (FT) 180	BORE HOLE DEPTH (FT) 180	DEPTH WATER FIRST ENCOUNTERED (FT) 72			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 72	DATE STATIC MEASURED 4/5/22		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input checked="" type="checkbox"/>			
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Reverse Circulation							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	90	11	PVC ASTM 480	Belled/gluc-5 5/8"	5	0.375	
	90	170	11	PVC ASTM 480 Perf	Belled/gluc-5 5/8"	5	0.375	.050
	170	180	11	PVC ASTM 480	Belled/gluc-5 5/8"	5	0.375	
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	11	Cement	10	Top Fill		
	20	180	11	Gravel #1 Fine KS.	80	Top Fill		

FOR OSE INTERNAL USE

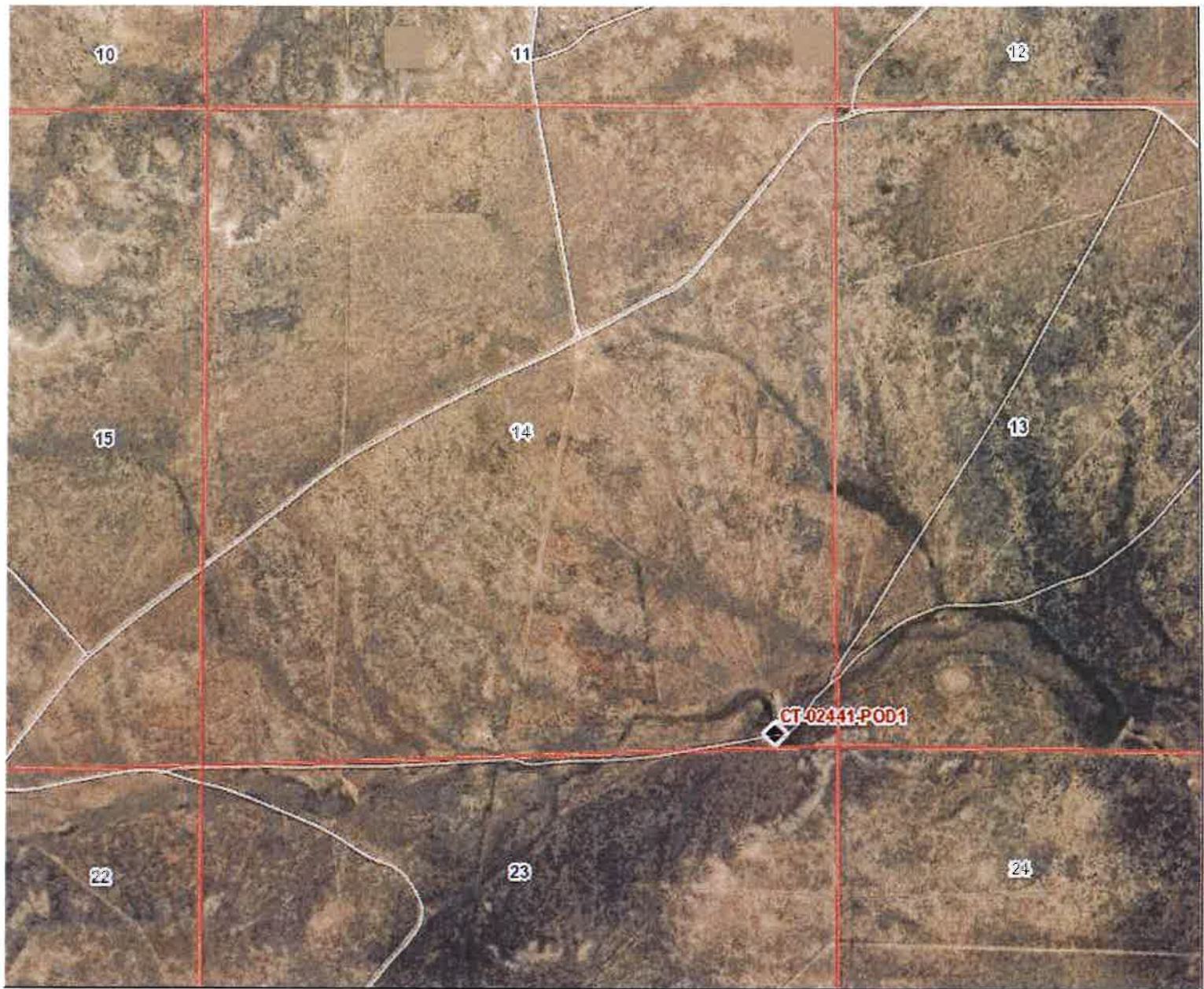
STOCK WELL

WR-20 WELL RECORD &amp; LOG (Version 01/28/2022)

FILE NO	<b>CT- 2441</b>	POD NO.	<b>Pool</b>	TRN NO.	<b>715 614</b>
LOCATION	<b>19N. 34E. 14. 4443</b>	WELL TAG ID NO.	<b>70196</b>	PAGE 1 OF 2	

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
<b>4. HYDROGEOLOGIC LOG OF WELL.</b>	0	20	20	Caliche	Y    ✓ N	0.00
	20	60	40	Brown clay with sand streaks	Y    ✓ N	0.00
	60	110	50	Fine sand with clay strips	✓ Y    N	12.00
	110	165	55	Brown clay with fine sand streaks	✓ Y    N	8.00
	165	180	25	Firm red clay & shale	✓ Y    N	0.00
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input checked="" type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					20.00	
<b>5. TEST; RIG SUPERVISION</b>	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Existing well was originally hand dug. Hole was filled in and plugged during drilling of the new well.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jacob Burkett					
<b>6. SIGNATURE</b>	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 Ray Teeter					4/5/22
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME					DATE





# NEW MEXICO OFFICE OF THE STATE ENGINEER

**Coordinates**  
**UTM - NAD 83 (m) - Zone 13**

Easting 654649.934

Northing 3971044.796

**State Plane - NAD 83 (ft) - Zone E**

Easting 851346.960

Northing 1774145.291

**Degrees Minutes Seconds**

Latitude 35 : 52 : 17.220000

Longitude -103 : 17 : 13.080000

Location pulled from Coordinate Search



1:18,056

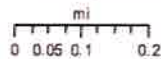


Image Info

Source: Maxar

Date: 8/31/2021

Resolution (m): 0.46

Accuracy (m): 5

**Spatial Information**  
OSE Administrative Area: Union  
County: Union  
Groundwater Basin: Clayton  
Abstract Area: Clayton

Sub-Basin: Punta de Agua

Land Grant: Not in Land Grant  
Restrictions:

**Eastern Portion of the Clayton CMA**

## PLSS Description

SWSESESE Qtr of Sec 14 of 019N 034E

Derived from CADNSDI- Qtr Sec. locations are  
calculated and are only approximations

## POD Information

Owner: Hutchersdon Family LTD

File Number: CT-2441

POD Status: NoData

Permit Status: NoData

Permit Use: NoData

Purpose: POD



Coord Search  
Location



Site Boundaries



Sections

**GIS WATERS  
PODs**



Pending

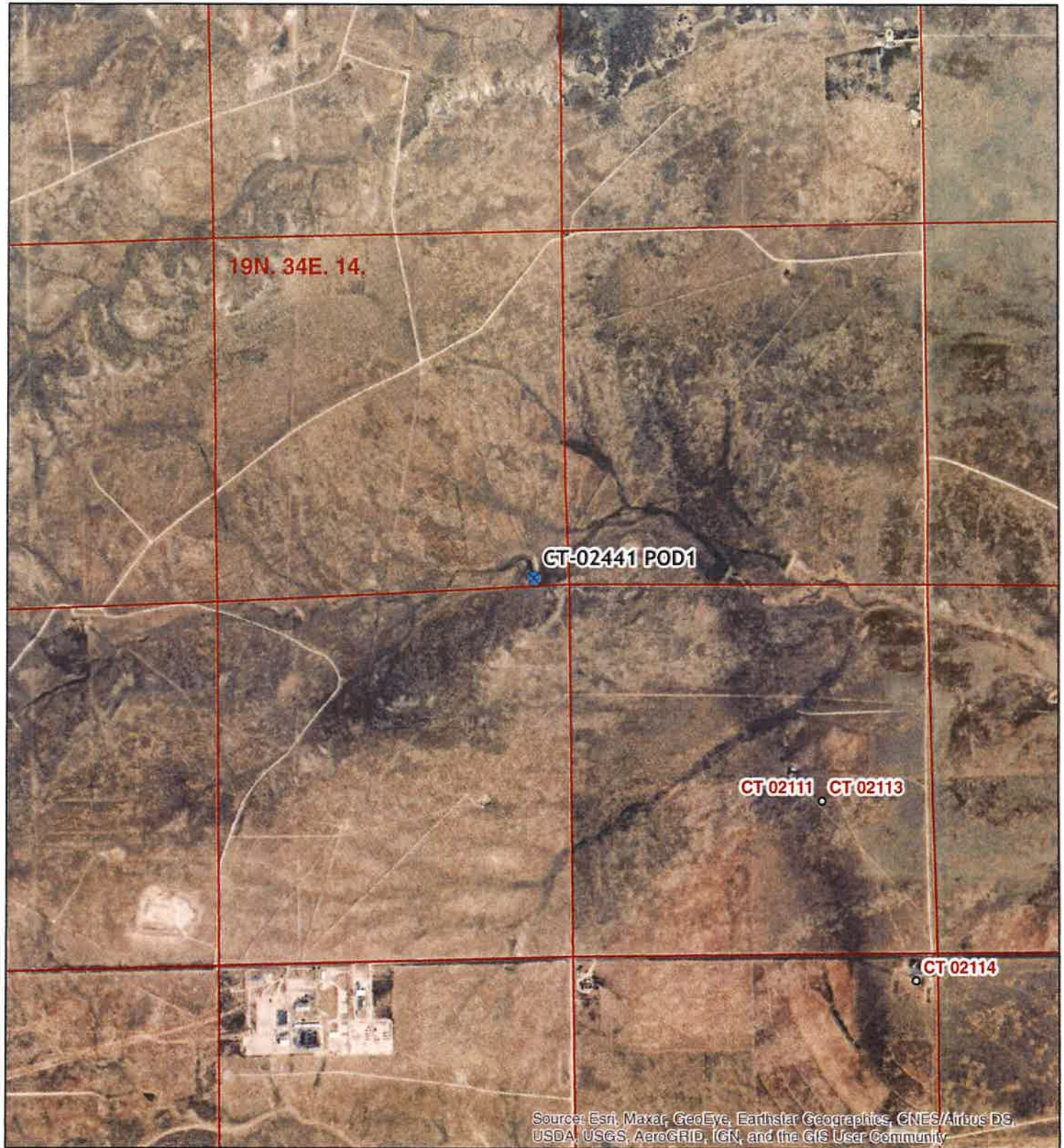
OSE District  
Boundary



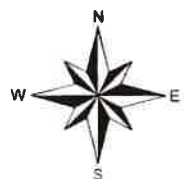
# Clayton Basin

## CT-2441 POD1

Hutcherson Family, LTD. c/o Mike Hutcherson



0 0.5 1 2 Miles



Mike A. Hamman, P.E.  
State Engineer



Cimarron Office  
PO BOX 481  
CIMARRON, NM 87714

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

Trn Nbr: 715614  
File Nbr: CT 02441  
Well File Nbr: CT 02441 POD1

June 30, 2022

MICHAEL HUTCHERSON  
HUTCHERSON FAMILY LTD. P'SHIP  
4304 94TH  
LUBBOCK, TX 79423

Greetings:

Enclosed is your copy of the well record for the above numbered permit, which has been accepted for filing.

Sincerely,

A handwritten signature in black ink, appearing to read "Katherine Behrendsen".

Katherine Behrendsen  
(575) 376-2410

Enclosure

wellrrcv





BRAVO DOME UNIT 1934 – 261D (9/6/19)







BRAVO DOME UNIT 1934 – 261D (9/6/19)







BRAVO DOME UNIT 1934 – 261D (9/6/19)







BRAVO DOME UNIT 1934 – 261D (9/6/19)







BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)



BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)





BRAVO DOME UNIT 1934 – 261D (9/6/19)





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

September 27, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BRAVO DOME #1934-261D

Enclosed are the results of analyses for samples received by the laboratory on 09/24/24 9:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	09/24/2024	Sampling Date:	09/17/2024
Reported:	09/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME #1934-261D	Sampling Condition:	Cool & Intact
Project Number:	9-6-19	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 1 @ 1' (H245773-01)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03	
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18	
Total BTEX	<0.300	0.300	09/26/2024	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2024	ND	400	100	400	7.69	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	216	108	200	1.25	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	210	105	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 2 @ 1' (H245773-02)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	216	108	200	1.25	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	210	105	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 3 @ 1' (H245773-03)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 4 @ 1' (H245773-04)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 5 @ 1' (H245773-05)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 6 @ 1' (H245773-06)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 7 @ 1' (H245773-07)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 8 @ 1' (H245773-08)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 9 @ 1' (H245773-09)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 10 @ 1' (H245773-10)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 11 @ 1' (H245773-11)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 12 @ 1' (H245773-12)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 13 @ 1' (H245773-13)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 14 @ 1' (H245773-14)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 15 @ 1' (H245773-15)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 16 @ 1' (H245773-16)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 17 @ 1' (H245773-17)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 18 @ 1' (H245773-18)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 19 @ 1' (H245773-19)**

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	09/26/2024	ND	1.83	91.3	2.00	5.03		
Toluene*	<0.050	0.050	09/26/2024	ND	1.91	95.7	2.00	5.62		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	1.97	98.5	2.00	5.08		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	5.91	98.6	6.00	5.18		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 20 @ 1' (H245773-20)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 21 @ 1' (H245773-21)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 22 @ 1' (H245773-22)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	225	113	200	2.24	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	214	107	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 23 @ 1' (H245773-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 24 @ 1' (H245773-24)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 25 @ 1' (H245773-25)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/17/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 26 @ 1' (H245773-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 27 @ 1' (H245773-27)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 28 @ 1' (H245773-28)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 29 @ 1' (H245773-29)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 30 @ 1' (H245773-30)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 31 @ 1' (H245773-31)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 32 @ 1' (H245773-32)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 33 @ 1' (H245773-33)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 34 @ 1' (H245773-34)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 35 @ 1' (H245773-35)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 36 @ 1' (H245773-36)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 37 @ 1' (H245773-37)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/26/2024	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	09/26/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 38 @ 1' (H245773-38)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/26/2024	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	09/26/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 39 @ 1' (H245773-39)**

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	09/26/2024	ND	2.00	99.8	2.00	2.18		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	100	2.00	3.47		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	4.46		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.29	105	6.00	4.92		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/26/2024	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	09/26/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 40 @ 1' (H245773-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/26/2024	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	09/26/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 41 @ 1' (H245773-41)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547	
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24	
Total BTEx	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/26/2024	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	09/26/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 42 @ 1' (H245773-42)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	214	107	200	5.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	221	110	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 43 @ 1' (H245773-43)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 44 @ 1' (H245773-44)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 45 @ 1' (H245773-45)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 46 @ 1' (H245773-46)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 47 @ 1' (H245773-47)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 48 @ 1' (H245773-48)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 49 @ 1' (H245773-49)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 50 @ 1' (H245773-50)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 51 @ 1' (H245773-51)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 52 @ 1' (H245773-52)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 53 @ 1' (H245773-53)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547	
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24	
Total BTX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/25/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 54 @ 1' (H245773-54)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 55 @ 1' (H245773-55)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 56 @ 1' (H245773-56)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 57 @ 1' (H245773-57)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 58 @ 1' (H245773-58)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 59 @ 1' (H245773-59)**

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	09/26/2024	ND	1.99	99.3	2.00	0.547		
Toluene*	<0.050	0.050	09/26/2024	ND	2.00	99.9	2.00	1.36		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	105	2.00	1.88		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.32	105	6.00	2.24		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 60 @ 1' (H245773-60)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 61 @ 1' (H245773-61)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 62 @ 1' (H245773-62)**

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	09/26/2024	ND	2.05	102	2.00	5.58	
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	201	101	200	2.36	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	196	98.2	200	2.53	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 63 @ 1' (H245773-63)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 64 @ 1' (H245773-64)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 1 (H245773-65)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 2 (H245773-66)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58	
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16	
Total BTEX	<0.300	0.300	09/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 3 (H245773-67)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 4 (H245773-68)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 5 (H245773-69)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 114 % 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.  
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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 6 (H245773-70)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 7 (H245773-71)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 8 (H245773-72)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 9 (H245773-73)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/25/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/25/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/25/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 10 (H245773-74)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58	
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16	
Total BTEX	<0.300	0.300	09/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 11 (H245773-75)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 12 (H245773-76)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58	
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95	
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02	
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16	
Total BTEx	<0.300	0.300	09/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/25/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 13 (H245773-77)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 14 (H245773-78)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEX	<0.300	0.300	09/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 15 (H245773-79)**

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	09/26/2024	ND	2.05	102	2.00	5.58		
Toluene*	<0.050	0.050	09/26/2024	ND	2.16	108	2.00	5.95		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.21	111	2.00	6.02		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.72	112	6.00	6.16		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 16 (H245773-80)**

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	09/26/2024	ND	1.95	97.5	2.00	2.77		
Toluene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	1.50		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	106	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.49	108	6.00	0.996		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/26/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 17 (H245773-81)**

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	09/26/2024	ND	1.95	97.5	2.00	2.77		
Toluene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	1.50		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	106	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.49	108	6.00	0.996		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 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: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 18 (H245773-82)**

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	09/26/2024	ND	1.95	97.5	2.00	2.77		
Toluene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	1.50		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	106	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.49	108	6.00	0.996		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	206	103	200	4.68	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	206	103	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 19 (H245773-83)**

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	09/26/2024	ND	1.95	97.5	2.00	2.77		
Toluene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	1.50		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	106	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.49	108	6.00	0.996		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	222	111	200	3.95	QR-03
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	210	105	200	3.43	QR-03
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 20 (H245773-84)**

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	09/26/2024	ND	1.95	97.5	2.00	2.77		
Toluene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	1.50		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	106	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.49	108	6.00	0.996		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	222	111	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	210	105	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 21 (H245773-85)**

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	09/26/2024	ND	1.95	97.5	2.00	2.77		
Toluene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	1.50		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	106	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.49	108	6.00	0.996		
Total BTX	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	222	111	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	210	105	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 09/24/2024  
 Reported: 09/27/2024  
 Project Name: BRAVO DOME #1934-261D  
 Project Number: 9-6-19  
 Project Location: OXY - NEW MEXICO

Sampling Date: 09/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SIDEWALL 22 (H245773-86)**

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	09/26/2024	ND	1.95	97.5	2.00	2.77		
Toluene*	<0.050	0.050	09/26/2024	ND	2.07	103	2.00	1.50		
Ethylbenzene*	<0.050	0.050	09/26/2024	ND	2.11	106	2.00	1.03		
Total Xylenes*	<0.150	0.150	09/26/2024	ND	6.49	108	6.00	0.996		
Total BTEx	<0.300	0.300	09/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2024	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	09/26/2024	ND	222	111	200	3.95	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	210	105	200	3.43	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**

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

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

149

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Cliff Brunson				P.O. #:																			
Address: P.O. Box 805				Company: Oxy																			
City: Hobbs State: NM Zip: 88241				Attn:																			
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																			
Project #: Project Owner: Oxy				City:																			
Project Name: BRAVO DOME UNIT 1934 261D (9/6/19)				State: Zip:																			
Project Location: New Mexico				Phone #:																			
Sampler Name: SIMON RENDON				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H245773		1 BOTTOM SAMPLE 1@1'		6						9/17/24 12:07PM		Chloride											
		2 BOTTOM SAMPLE 2@1'								9/17/24 12:19PM		BTEX											
		3 BOTTOM SAMPLE 3@1'								9/17/24 12:30PM		TPHEXT											
		4 BOTTOM SAMPLE 4@1'								9/17/24 12:43PM													
		5 BOTTOM SAMPLE 5@1'								9/17/24 12:57PM													
		6 BOTTOM SAMPLE 6@1'								9/17/24 1:09PM													
		7 BOTTOM SAMPLE 7@1'								9/17/24 1:19PM													
		8 BOTTOM SAMPLE 8@1'								9/17/24 1:31PM													
		9 BOTTOM SAMPLE 9@1'								9/17/24 1:42PM													
		10 BOTTOM SAMPLE 10@1'								9/17/24 1:51PM													

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Relinquished By: <i>Simon Rendon</i>	Date: 9-24-24	Received By: <i>Jose Cortinas</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Jose Cortinas</i>	Time: 8:00 AM	Received By: <i>Amara Aldrete</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <i>CF-0.6c #140</i>	Date: 9-24-24	Time: 0912	REMARKS:	
Sampler - UPS - Bus - Other: <i>-1.6c/-2.2c</i>	Sample Condition	CHECKED BY: (Initials) <i>Jo</i>		
	Cool Intact			
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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

209

<b>Company Name:</b> BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
<b>Project Manager:</b> Cliff Brunson				<b>P.O. #:</b>				<div>Chloride BTEX TPHEX</div>																	
<b>Address:</b> P.O. Box 805				<b>Company:</b> Oxy																					
<b>City:</b> Hobbs				<b>Attn:</b>																					
<b>State:</b> NM <b>Zip:</b> 88241				<b>Address:</b>																					
<b>Phone #:</b> 575-397-6388				<b>City:</b>																					
<b>Fax #:</b> 575-397-0397				<b>State:</b> <b>Zip:</b>																					
<b>Project #:</b>				<b>Project Owner:</b> Oxy																					
<b>Project Name:</b> BRAVO DOME UNIT 1934 261D (9/6/19)																									
<b>Project Location:</b> New Mexico																									
<b>Sampler Name:</b> SIMON RENDON																									
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b>				<b>PRESERV.</b>				<b>SAMPLING</b>													
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>GROUNDWATER</b>		<b>WASTEWATER</b>		<b>SOIL</b>		<b>OIL</b>		<b>SLUDGE</b>		<b>OTHER:</b>		<b>ACID/BASE:</b>		<b>ICE / COOL</b>		<b>OTHER:</b>		<b>DATE</b>		<b>TIME</b>	
H245773																									
11		BOTTOM SAMPLE 11@1'																				9/17/24		2:03PM	
12		BOTTOM SAMPLE 12@1'																				9/17/24		2:11PM	
13		BOTTOM SAMPLE 13@1'																				9/17/24		2:20PM	
14		BOTTOM SAMPLE 14@1'																				9/17/24		2:32PM	
15		BOTTOM SAMPLE 15@1'																				9/17/24		2:45PM	
16		BOTTOM SAMPLE 16@1'																				9/17/24		2:53PM	
17		BOTTOM SAMPLE 17@1'																				9/17/24		3:01PM	
18		BOTTOM SAMPLE 18@1'																				9/17/24		3:10PM	
19		BOTTOM SAMPLE 19@1'																				9/17/24		3:18PM	
20		BOTTOM SAMPLE 20@1'																				9/17/24		3:29PM	

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<b>Relinquished By:</b> <i>Simon Rendon</i>	<b>Date:</b> 9-24-24 <b>Time:</b> 8:00am	<b>Received By:</b> <i>Jose Cortinas</i>	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>
<b>Relinquished By:</b> <i>Jose Cortinas</i>	<b>Date:</b> 9-24-24 <b>Time:</b> 0912	<b>Received By:</b> <i>Amara Oldat</i>	<b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>
<b>Delivered By: (Circle One)</b> CF-0.6c #140 -1.6c/-2.2c			<b>REMARKS:</b>
<b>Sampler - UPS - Bus - Other:</b>			<b>CHECKED BY:</b> (Initials) <i>Jo</i>
<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			

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

389

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Owner:</b> Oxy <b>Project Name:</b> BRAVO DOME UNIT 1934 261D (9/6/19) <b>Project Location:</b> New Mexico <b>Sampler Name:</b> SIMON RENDON				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>													
<b>FOR LAB USE ONLY</b>  <b>Lab I.D.</b> H245773		<b>Sample I.D.</b>		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> <b>DATE</b> <b>TIME</b>		Chloride BTEX TPH/EXT											
21		BOTTOM SAMPLE 21@1'						9/17/24 3:40PM		✓											
22		BOTTOM SAMPLE 22@1'						9/17/24 3:47PM		✓											
23		BOTTOM SAMPLE 23@1'						9/17/24 3:56PM		✓											
24		BOTTOM SAMPLE 24@1'						9/17/24 4:05PM		✓											
25		BOTTOM SAMPLE 25@1'						9/17/24 4:15PM		✓											
26		BOTTOM SAMPLE 26@1'						9/17/24 4:27PM		✓											
27		BOTTOM SAMPLE 27@1'						9/18/24 8:20AM		✓											
28		BOTTOM SAMPLE 28@1'						9/18/24 8:31AM		✓											
29		BOTTOM SAMPLE 29@1'						9/18/24 8:44AM		✓											
30		BOTTOM SAMPLE 30@1'						9/18/24 8:53AM		✓											

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<b>Relinquished By:</b> Simon Rendon		<b>Date:</b> 9-24-24 <b>Time:</b> 8:00 AM		<b>Received By:</b> Jose Cortinas		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b>	
<b>Relinquished By:</b> Jose Cortinas		<b>Date:</b> 9-24-24 <b>Time:</b> 09:12		<b>Received By:</b> Tamara Oldaker		<b>REMARKS:</b>	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		CF-0.6c #140 16c / -2.2c		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) JO	

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# **ARDINAL LABORATORIES**

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

469

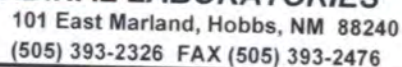
<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Owner:</b> Oxy <b>Project Name:</b> BRAVO DOME UNIT 1934 261D (9/6/19) <b>Project Location:</b> New Mexico <b>Sampler Name:</b> SIMON RENDON				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>													
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> H245713 <b>Sample I.D.</b>				<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> DATE TIME		Chloride BTEX TPH/EXT											
31 BOTTOM SAMPLE 31@1' 32 BOTTOM SAMPLE 32@1' 33 BOTTOM SAMPLE 33@1' 34 BOTTOM SAMPLE 34@1' 35 BOTTOM SAMPLE 35@1' 36 BOTTOM SAMPLE 36@1' 37 BOTTOM SAMPLE 37@1' 38 BOTTOM SAMPLE 38@1' 39 BOTTOM SAMPLE 39@1' 40 BOTTOM SAMPLE 40@1'				(G)RAB OR (C)OMP. # CONTAINERS		DATE TIME		9/18/24 9:08AM 9/18/24 9:17AM 9/18/24 9:31AM 9/18/24 9:42AM 9/18/24 9:55AM 9/18/24 10:06AM 9/18/24 10:15AM 9/18/24 10:31AM 9/18/24 10:41AM 9/18/24 10:50AM													

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<b>Relinquished By:</b> Simon Rendon <b>Relinquished By:</b> Jose M. Cortinas <b>Delivered By: (Circle One)</b> CK-0.6E #140 Sampler - UPS - Bus - Other: -1.6C/-2.2C	<b>Date:</b> 9-24-24 <b>Time:</b> 8:00AM <b>Date:</b> 9-24-24 <b>Time:</b> 0912	<b>Received By:</b> Jose Cortinas <b>Received By:</b> Jannara Delatorre <b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b> <b>REMARKS:</b> TO
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### 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: BRAVO DOME UNIT 1934 261D (9/6/19) Project Location: New Mexico Sampler Name: SIMON RENDON				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																								
				P.O. #:		Chloride BTEX PHENOL																										
				Company: Oxy																												
				Attn:																												
				Address:																												
				City:																												
				State:      Zip:																												
				Phone #:																												
				Fax #:																												
FOR LAB USE ONLY		# CONTAINERS		MATRIX					PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																		
H245713		G1													✓	✓	✓															
S1	BOTTOM SAMPLE 51@1'															✓	✓	✓														
S2	BOTTOM SAMPLE 52@1'															✓	✓	✓														
S3	BOTTOM SAMPLE 53@1'															✓	✓	✓														
S4	BOTTOM SAMPLE 54@1'															✓	✓	✓														
S5	BOTTOM SAMPLE 55@1'															✓	✓	✓														
S6	BOTTOM SAMPLE 56@1'															✓	✓	✓														
S7	BOTTOM SAMPLE 57@1'															✓	✓	✓														
S8	BOTTOM SAMPLE 58@1'															✓	✓	✓														
S9	BOTTOM SAMPLE 59@1'															✓	✓	✓														
S10	BOTTOM SAMPLE 60@1'														✓	✓	✓															

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Relinquished By: _____	Date: 9-24-24	Received By: Jose Continas	Time: 8:00 AM	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Relinquished By: Jose Continas	Date: 9-24-24	Received By: [Signature]	Time: 0912	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:	
Delivered By: (Circle One) CF-O.bic #140	Sampler - UPS - Bus - Other: -1.6c/-2.2c		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: (Initials)	REMARKS:

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**CARDINAL LABORATORIES**

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**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: BRAVO DOME UNIT 1934 261D (9/6/19)

Project Location: New Mexico

Sampler Name: SIMON RENDON

**BILL TO**

**ANALYSIS REQUEST**

P.O. #:

Company: Oxy

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Chloride  
BTEX  
TPH/EXT

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H245773

61 BOTTOM SAMPLE 61@1'  
62 BOTTOM SAMPLE 62@1'  
63 BOTTOM SAMPLE 63@1'  
64 BOTTOM SAMPLE 64@1'  
65 SIDEWALL 1  
66 SIDEWALL 2  
67 SIDEWALL 3  
68 SIDEWALL 4  
69 SIDEWALL 5  
70 SIDEWALL 6

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

PRESERV.

SAMPLING

DATE

TIME

9/18/24 3:42PM  
9/18/24 3:53PM  
9/18/24 4:06PM  
9/18/24 4:17PM  
9/19/24 12:10PM  
9/19/24 12:23PM  
9/19/24 12:35PM  
9/19/24 12:49PM  
9/19/24 1:04PM  
9/19/24 1:15PM

✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓  
✓ ✓ ✓

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Relinquished By:

Date:

9-24-24

Time:

8:00 AM

Received By:

Jose Cortinas

Relinquished By:

Date:

9-24-24

Time:

09:12

Received By:

Tamara Alda

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

CF-0.6c #140  
-1.6c / 2.2c

Sample Condition

Cool Intact

Yes Yes  
No No

CHECKED BY:

(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**

Page 96 of 97

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Owner:</b> Oxy <b>Project Name:</b> BRAVO DOME UNIT 1934 261D (9/6/19) <b>Project Location:</b> New Mexico <b>Sampler Name:</b> SIMON RENDON				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>															
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	BTEX	TPH/EXT				
A245773																					
71	SIDEWALL 7												9/19/24	1:28PM	✓	✓	✓				
72	SIDEWALL 8												9/19/24	1:40PM	✓	✓	✓				
73	SIDEWALL 9												9/19/24	1:51PM	✓	✓	✓				
74	SIDEWALL 10												9/19/24	2:02PM	✓	✓	✓				
75	SIDEWALL 11												9/19/24	2:14PM	✓	✓	✓				
76	SIDEWALL 12												9/19/24	2:26PM	✓	✓	✓				
77	SIDEWALL 13												9/19/24	2:38PM	✓	✓	✓				
78	SIDEWALL 14												9/19/24	2:50PM	✓	✓	✓				
79	SIDEWALL 15												9/19/24	3:02PM	✓	✓	✓				
80	SIDEWALL 16												9/19/24	3:14PM	✓	✓	✓				

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<b>Relinquished By:</b>  <b>Relinquished By:</b> Simon Rendón <b>Delivered By: (Circle One)</b> UPS - Bus - Other:	<b>Date:</b> 9-24-24 <b>Time:</b> 8:00 AM <b>Date:</b> 9-24-24 <b>Time:</b> 09:12 <b>CF-0.66 #140</b> <b>-1.66/-2.20</b>	<b>Received By:</b> Jose Cortinas <b>Received By:</b> Jose Cortinas <b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <b>CHECKED BY:</b> (Initials) 	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b> <b>REMARKS:</b>
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS

Action 414445

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414445
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nCS1932439585
Incident Name	NCS1932439585 BRAVO DOME 1934-261D @ 30-059-20205
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-059-20205] BRAVO DOME CARBON DIOXIDE GAS UNIT #261

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BRAVO DOME 1934-261D
Date Release Discovered	09/06/2019
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 19 BBL   Recovered: 0 BBL   Lost: 19 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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**1220 S. St Francis Dr.**  
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QUESTIONS, Page 2

Action 414445

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414445
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: <a href="mailto:wade_dittrich@oxy.com">wade_dittrich@oxy.com</a> Date: 12/20/2024
--	--



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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 414445

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414445
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 500 and 1000 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	48
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10
GRO+DRO (EPA SW-846 Method 8015M)	10
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.5

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	08/22/2024
On what date will (or did) the final sampling or liner inspection occur	09/18/2024
On what date will (or was) the remediation complete(d)	10/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	12809
What is the estimated volume (in cubic yards) that will be reclaimed	720
What is the estimated surface area (in square feet) that will be remediated	12809
What is the estimated volume (in cubic yards) that will be remediated	720

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 414445

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	414445
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
(Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/20/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS, Page 5  
  
Action 414445

QUESTIONS (continued)

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  414445
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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Action 414445

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414445
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	382800
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/19/2024
What was the (estimated) number of samples that were to be gathered	86
What was the sampling surface area in square feet	12809

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	12809
What was the total volume (cubic yards) remediated	720
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	12809
What was the total volume (in cubic yards) reclaimed	720
Summarize any additional remediation activities not included by answers (above)	OXY excavated the spill area as depicted on the following site diagram. The entire leak area (YELLOW shade on diagram) was excavated to a depth of 1 foot. Bottom confirmation samples was collected every 75 feet.
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: <a href="mailto:wade_dittrich@oxy.com">wade_dittrich@oxy.com</a> Date: 12/20/2024



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Action 414445

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414445
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 414445

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 414445
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	3/19/2025