

# Closure Report

INCIDENT ID#: nAPP2200553732

## Site Description

Site Name:	BRAVO DOME 1834 101G LEG 5
Company:	Oxy USA, Inc.
Legal Description:	U/L G, Section 10, T18N, R34E
County:	UNION County, NM
GPS Coordinates:	35.80583,-103.30864

## Release Data

Date of Release:	7/17/2020
Type of Release:	PRODUCED WATER
Source of Release:	6" STEEL FLOWLINE LEAK
Volume of Release:	29BBLS
Volume Recovered:	0 BBLS

## Remediation Specifications

Remediation Parameters:	<p>OXY excavated the spill area as depicted on the following site diagram. The leak area near SP1, SP 5, SP6 and SP7 (BLUE shade on diagram) was excavated to a depth of 3 feet. The leak area near SP2 and SP4 (GREEN shade on diagram) was excavated to a depth of 4 feet. Leak area near SP3 (YELLOW shade on diagram) was excavated to the depth 5 feet.</p> <p>OXY collected bottom and sidewall confirmation samples every 200 square feet.</p>
Remediation Activities:	8/12/24 - 9/6/24

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 8/21/24,8/22/24,8/27/24	
Notifications	8/16/2024	

## Request for Closure

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

Cliff Brunson, President of BBC International Inc.

9/9/2024



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805  
E-MAIL: cbrunson@bbcinternational.com

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September 9, 2024

Per the request of Crystal Walker of the OCD on 9/9/24, please see below:

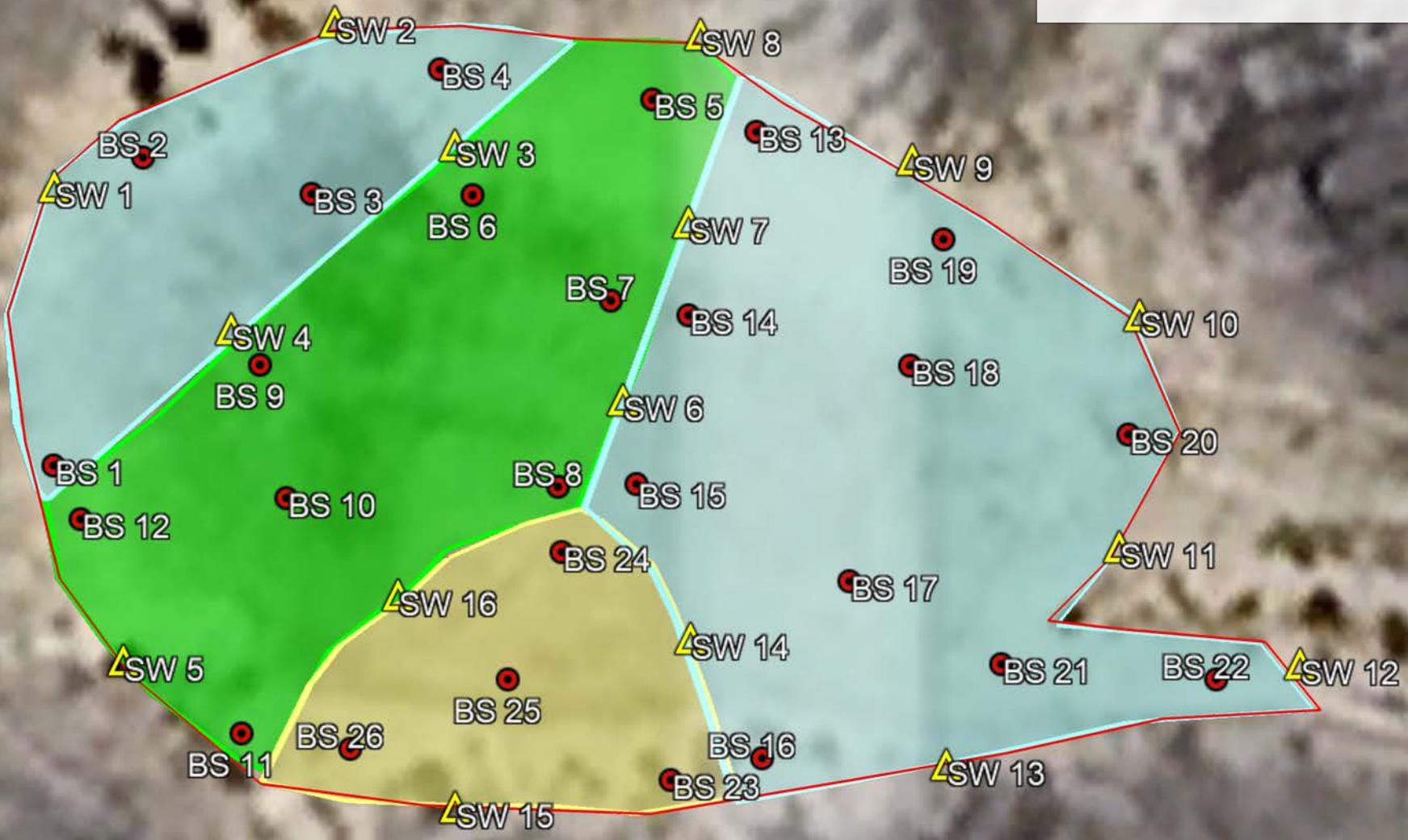
On the initial Chain of Custody, the sample depths of sample points BS23 – BS26 were listed incorrectly as a depth of 3 feet when they should have been 5 feet. These samples were correctly taken at the 5-foot depth. A new laboratory report at the end of the report has been added to reflect this change along with the field notes of the sampler that reflect this as well. In addition, the lab summary table has been updated to reflect these changes.

# OXY, BRAVO DOME 1834 101G LEG 5

LEAK DATE : 01/04/2022  
UNION COUNTY, NM  
ID#nAPP2200553732

## Legend

-  3' excavation
-  4' excavation
-  5' excavation
-  Bottom Confirmation Sample Points
-  Leak Area
-  Sidewall Confirmation Sample Points



Google Earth



40 ft

BRAVO DOME 1834 101G LEG 5 (1/4/22) SAMPLING DATES 8/21/24, 8/22/24

BOTTOM SAMPLE POINTS

BS 1@3'	N 35.805792	W-103.308702
BS 2@3'	N 35.805862	W-103.308677
BS 3@3'	N 35.805858	W-103.308630
BS 4@5'	N 35.805882	W-103.308594
BS 5@4'	N 35.805875	W-103.308534
BS 6@4'	N 35.805853	W-103.308585
BS 7@4'	N 35.805829	W-103.308546
BS 8@4'	N 35.805787	W-103.308561
BS 9@4'	N 35.805815	W-103.308645
BS 10@4'	N 35.805784	W-103.308637
BS 11@4'	N 35.805731	W-103.308650
BS 12@4'	N 35.805780	W-103.308695
BS 13@3'	N 35.805868	W-103.308505
BS 14@3'	N 35.805826	W-103.308524
BS 15@3'	N 35.805787	W-103.308539
BS 16@3'	N 35.805725	W-103.308504
BS 17@3'	N 35.805779	W-103.308494
BS 18@3'	N 35.805820	W-103.308483
BS 19@3'	N 35.805854	W-103.308469
BS 20@3'	N 35.805799	W-103.308400
BS 21@3'	N 35.805746	W-103.308436
BS 22@3'	N 35.805743	W-103.308376
BS 23@5'	N 35.805720	W-103.308529
BS 24@5'	N 35.805772	W-103.308560
BS 25@5'	N 35.505744	W-103.308569
BS 26@5'	N 35.805727	W-103.308619

SIDEWALL SAMPLE POINTS

SW 1	N 35.805862	W-103.308701
SW 2	N 35.805892	W-103.308624
SW 3	N 35.805864	W-103.308590
SW 4	N 35.805822	W-103.308653
SW 5	N 35.805747	W-103.308683
SW 6	N 35.805806	W-103.308543
SW 7	N 35.805847	W-103.308525
SW 8	N 35.805890	W-103.308521
SW 9	N 35.805861	W-103.308462
SW 10	N 35.805826	W-103.308398
SW 11	N 35.805773	W-103.308403
SW 12	N 35.805753	W-103.308359

SW 13	N 35.805723	W-103.308452
SW 14	N 35.805752	W-103.308524
SW 15	N 35.805714	W-103.308590
SW 16	N 35.805762	W-103.308606

	Sample ID	BS 1@3'	BS 2@3'	BS 3@3'	BS 4@3'	BS 5@4'	BS 6@4'	BS 7@4'	BS 8@4'	BS 9@4'	BS 10@4'	BS 11@4'	BS 12@4'	BS 13@3'	BS 14@3'	BS 15@3'	BS 16@3'	BS 17@3'	BS 18@3'
Analyte	Date	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24	8/21/24
		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		80.0	96.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	48.0	80.0	96.0	96.0	96.0	80.0	80.0	64.0
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	BS 19@3'	BS 20@3'	BS 21@3'	BS 22@3'	BS 23@5'	BS 24@5'	BS 25@5'	BS 26@5'
Analyte	Date	8/21/24	8/21/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24
		mg/kg							
Benzene		<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
Ethylbenzene		<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
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		80.0	64.0	160.0	80.0	80.0	80.0	96.0	96.0
GRO		<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
EXT DRO		<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
Analyte	Date	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24	8/22/24
		mg/kg															
Benzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride		32.0	32.0	32.0	32.0	32.0	32.0	48.0	32.0	48.0	32.0	32.0	48.0	32.0	32.0	32.0	80.0
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
DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



# FEMA's National Flood Hazard Layer (NFHL) Viewer

with Web AppBuilder for ArcGIS

+ 35.80583, -103.30864 X Q

- Show search results for 35.80583, -10...

## 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

0.2mi

103 322 35 801 Degrees

App State

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



U.S. Fish and Wildlife Service  
National Wetlands Inventory

OXY, BRAVO DOME 1834 101G LEG 5 (1/



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands\_team@fws.gov

August 29, 2024

**Wetlands**

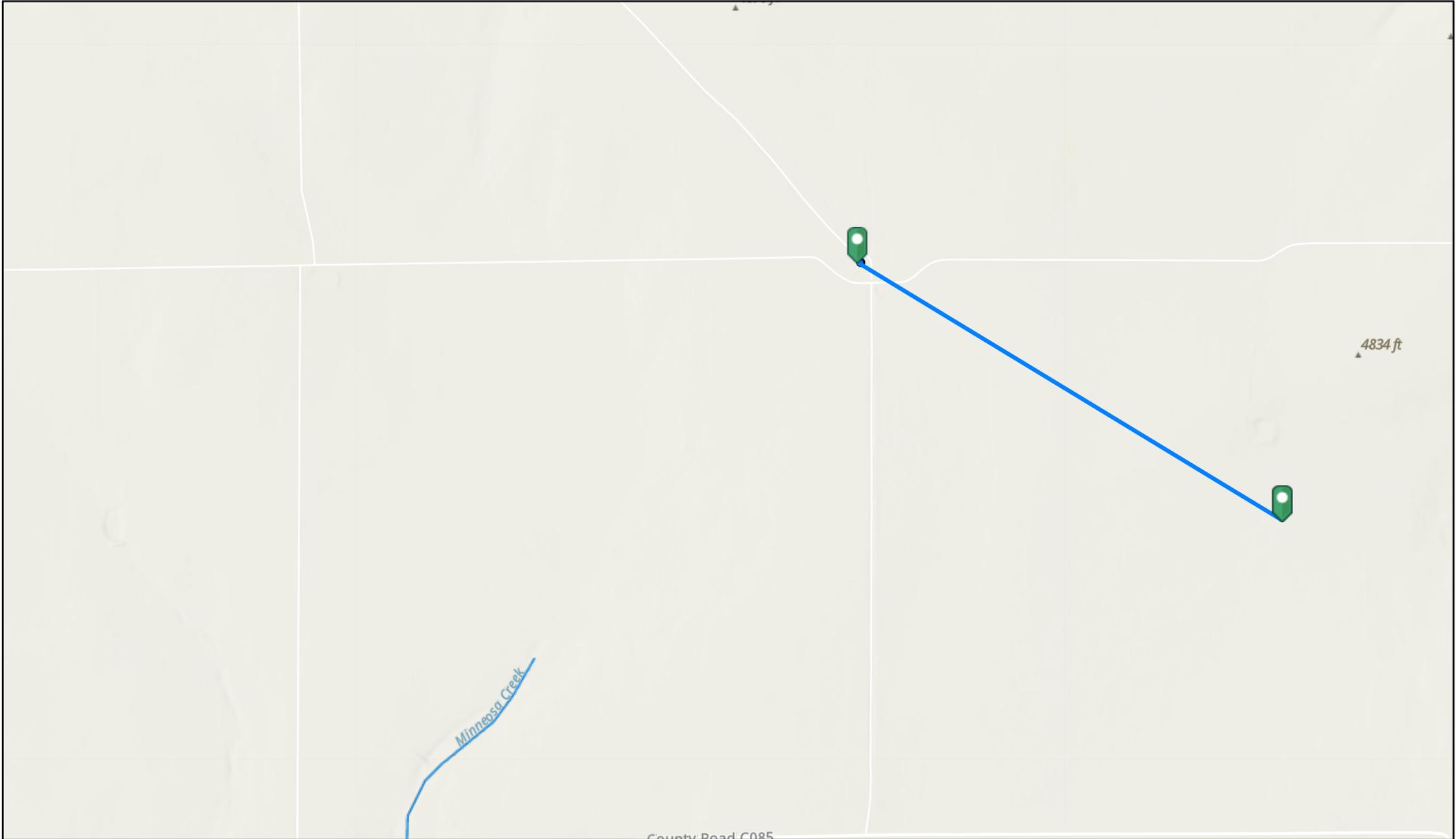
-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  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 1834 101G LEG 5 (01/04/2022) 4,555.9 FEET OR 0.86 MILES TO WATER POD



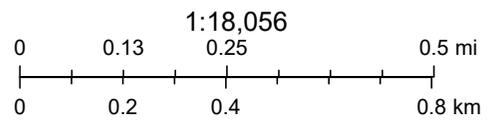
8/29/2024, 9:24:25 AM

### OSE Water PODs

- Active

- OSE Streams

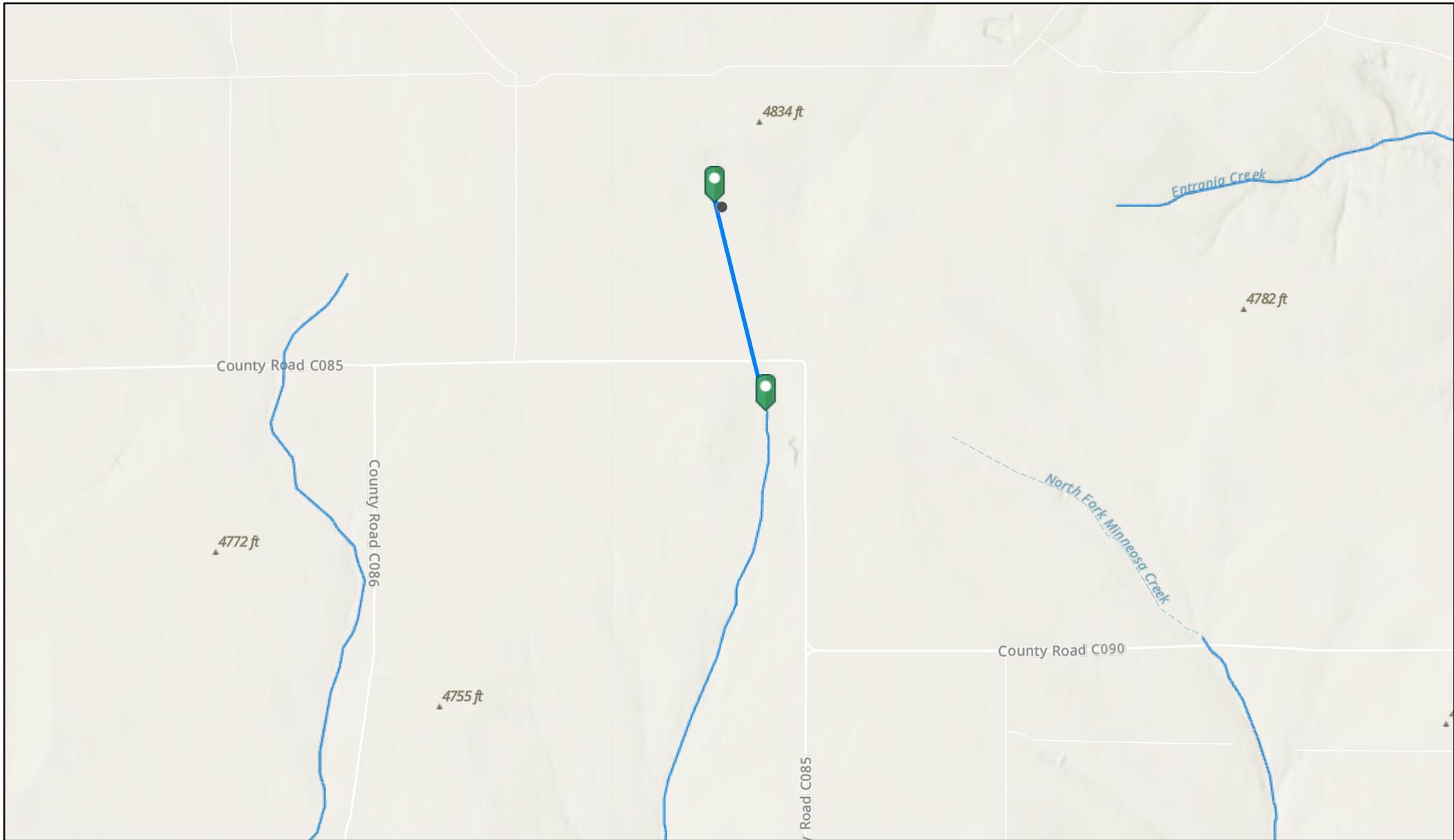
Released to Imaging: 9/11/2024 10:51:33 AM



1:18,056

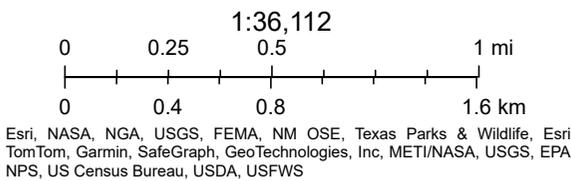
Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, NM OSE

# OXY, BRAVO DOME 1834 101G LEG 5 (01/04/2022) 3756.9FEET OR 0.71 MILES TO H2O



8/29/2024, 9:28:48 AM

— OSE Streams





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

Received

09/17/2023

Office of the State Engineer  
District VII Cimarron Office

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <b>CT-2493 POD1</b>		WELL TAG ID NO. 70324		OSE FILE NO(S) CT-2493 <b>POD1</b>	
	WELL OWNER NAME(S) Kirk Fly				PHONE (OPTIONAL) 806-333-2176	
	WELL OWNER MAILING ADDRESS 28 Canyon View Dr				CITY Dalhart	STATE ZIP TX 79022
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 35.81238 35	MINUTES 48	SECONDS 44.568 N	• ACCURACY REQUIRED: ONE TENTH OF A SECOND • DATUM REQUIRED: WGS 84	
		LONGITUDE -103.32174 103	19	18.264 W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Section 4 Township: 18N, Range: 34E, Union County <b>SEWSEKSEK SE 1/4, SECTION 4, TOWNSHIP 18 NORTH, RANGE 34 EAST, N.W.P.M</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 09/19/2023	DRILLING ENDED 09/19/2023	DEPTH OF COMPLETED WELL (FT) 355	BORE HOLE DEPTH (FT) 168	DEPTH WATER FIRST ENCOUNTERED (FT) 168			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 168	DATE STATIC MEASURED 09/19/2023		
	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 checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	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	30	12.25	PVC SDR 21	6-1/8	5	.0375	
	30	200	10	PVC SDR 21	6-1/8	5	.0375	
	200	345	10	PVC SDR 21 - PERF	6-1/8	5	.0375	.050
345	355	10	PVC SDR 21	6-1/8	5	.0375		

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	30	12.25	Cement	21	Topfill
	30	355	10	Gravel # 1 Fine KS	133	Topfill

FOR OSE INTERNAL USE **STOCK**

FILE NO. <b>CT-2493</b>	POD NO. <b>POD1</b>	WR-20 WELL RECORD & LOG (Version 09/22/2022)
LOCATION <b>78N 34E 4 QUIL</b>	TRN NO. <b>749184</b>	
WELL TAG ID NO. <b>70324</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		Y	N	
0	40	40	Topsoil, Caliche w/Fine Sand Strips	Y	✓ N	
40	80	40	Med Sand w/Fine Sand	Y	✓ N	
80	100	20	Fine Sand	Y	✓ N	
100	140	40	Med Sand w/Fine Sand Strips	Y	✓ N	
140	200	60	Fine Sand	✓ Y	N	10.00
200	220	20	Fine Sand w/Green Clay Strip	✓ Y	N	10.00
220	260	40	Yellow Clay w/Gray Clay	Y	✓ N	
260	320	60	Gray Clay w/Blue Clay	Y	✓ N	
320	340	20	Blue Clay Strip w/Red Clay	Y	✓ N	
340	355	15	Red Clay	Y	✓ N	
				Y	N	
				Y	N	
				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: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input checked="" type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): 20		

Received  
OCT 17 2023  
Office of the State Engineer  
District VII Cimarron Office

**5. TEST; RIG SUPERVISION**

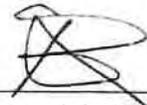
WELL TEST    TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:  
Ronald Ashbaugh

**6. SIGNATURE**

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:

 Raymond Teeter    09/22/2023

SIGNATURE OF DRILLER / PRINT SIGNEE NAME    DATE

FOR OSE INTERNAL USE    STOCK

FILE NO. CT-2493    POD NO. POD1    TRN NO. 749184

LOCATION 18N34E44400    WELL TAG ID NO. 70324    PAGE 2 OF 2

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: 749184  
File Nbr: CT 02493  
Well File Nbr: CT 02493-POD1

Oct. 31, 2023

KIRK FLY  
28 CANYON VIEW DR.  
DALHART, TX 79022

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 that reads "Katherine Behrendsen".

Katherine Behrendsen  
(575) 376-2410

Enclosure

wellrrcv



**Coordinates**  
UTM - NAD 83 (m) - Zone 13  
 Easting 651622.801  
 Northing 3964437.892  
State Plane - NAD 83 (f) - Zone E  
 Easting 841266.655  
 Northing 1752534.598  
Degrees Minutes Seconds  
 Latitude 35 : 48 : 44.568000  
 Longitude -103 : 19 : 18.264000  
 Location pulled from Coordinate Search

NEW MEXICO OFFICE  
 OF THE  
 STATE ENGINEER  
 1:18,056  
 N  
 Image Info  
 Source: Maxar  
 Date: 9/7/2021  
 Resolution (m):0.5  
 Accuracy (m): 5

**Spatial Information**  
 Land Grant: Not in Land Grant  
 OSE Administrative Area: Union  
 County: Union  
 Groundwater Basin: Clayton  
 Sub-Basin: Punta de Agua  
 Abstract Area:  
 Clayton  
Regulation Area:  
**Eastern Portion of the Clayton CMA**  
PLSS Description  
**SESESESE Qtr of Sec 04 of 018N 034E**  
*Derived from CALPN501-QR Svc; locations are calculated and are only approximations*

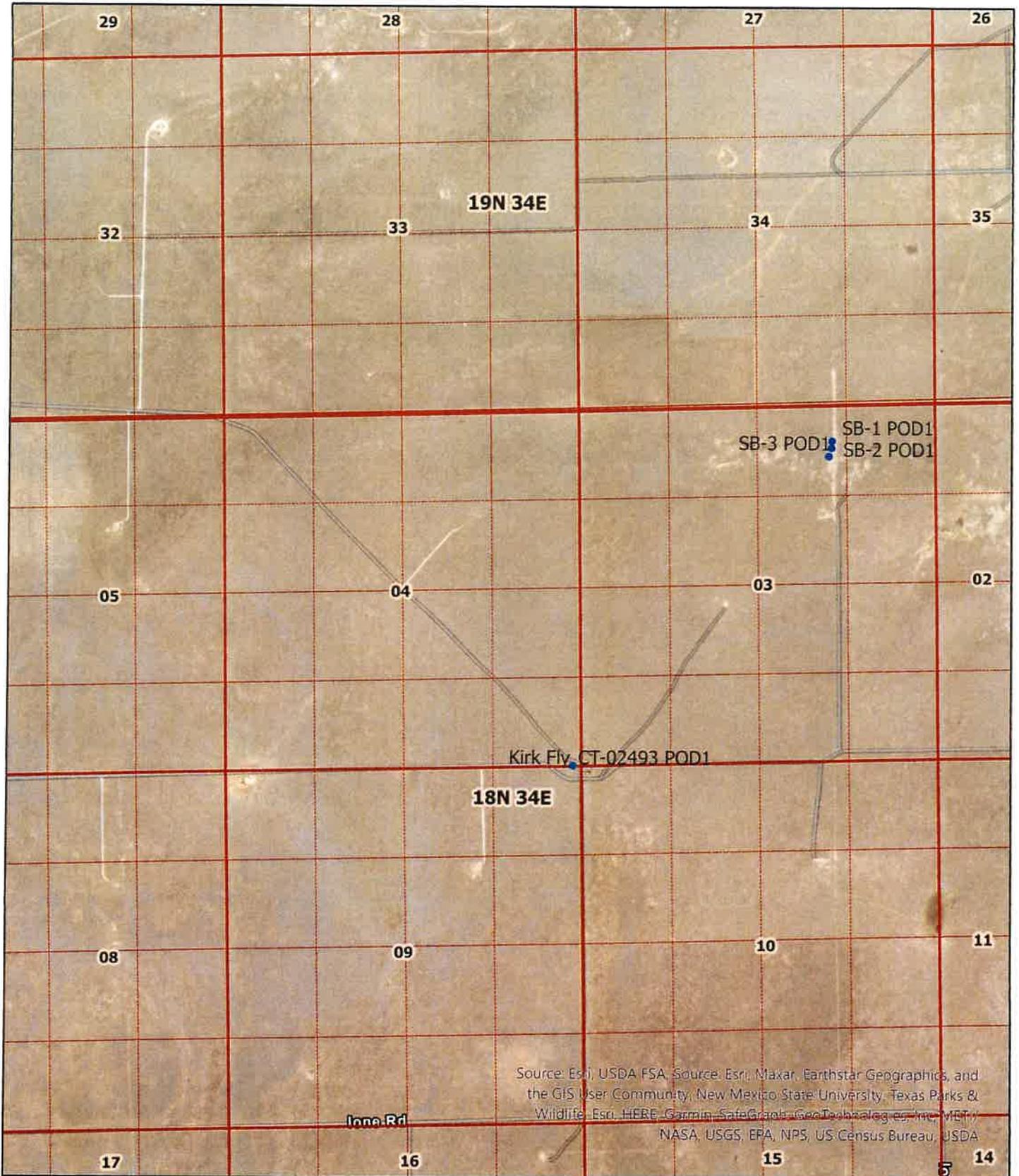
- |                              |   |  |   |   |   |
|------------------------------|---|--|---|---|---|
| ◆ Coord Search Location      | <input type="checkbox"/> Bernalillo County Parcels 2023 | <input type="checkbox"/> De Baca County Parcels 2023   | <input type="checkbox"/> Hidalgo County Parcel 2023     | <input type="checkbox"/> Mora County Parcels 2023       | <input type="checkbox"/> San Juan County Parcels 2023   |
| GIS WATERS PODs              | <input type="checkbox"/> Calron County Parcels 2023     | <input type="checkbox"/> Doña Ana County Parcels 2023  | <input type="checkbox"/> Lea County Parcels 2023        | <input type="checkbox"/> Otero County Parcels 2023      | <input type="checkbox"/> San Miguel County Parcels 2023 |
| ● Pending                    | <input type="checkbox"/> Chaves County Parcels 2023     | <input type="checkbox"/> Eddy County Parcels 2023      | <input type="checkbox"/> Lincoln County Parcels 2023    | <input type="checkbox"/> Quay County Parcels 2023       | <input type="checkbox"/> Santa Fe County Parcels 2023   |
| ○ OSE District Boundary      | <input type="checkbox"/> Cibola County Parcels 2023     | <input type="checkbox"/> Grant County Parcels 2023     | <input type="checkbox"/> Los Alamos County Parcels 2023 | <input type="checkbox"/> Rio Arriba County Parcels 2023 | <input type="checkbox"/> Sierra County Parcels 2023     |
| New Mexico State Trust Lands | <input type="checkbox"/> Colfax County Parcels 2023     | <input type="checkbox"/> Guadalupe County Parcels 2023 | <input type="checkbox"/> Luna County Parcels 2023       | <input type="checkbox"/> Roosevelt County Parcels 2023  |   |
| Both Estates                 | <input type="checkbox"/> Curry County Parcels 2023      | <input type="checkbox"/> Harding County Parcels 2023   | <input type="checkbox"/> McKinley County Parcels 2023   | <input type="checkbox"/> Sandoval County Parcels 2023   |   |
| NHD Flowlines                |   |  |   |   |   |
| Artificial Path              |   |  |   |   |   |
| Stream/River                 |   |  |   |   |   |

**POD Information**  
 Owner: Kirk Fly  
 File Number: CT-2493  
 POD Status: NoData  
 Permit Status: NoData  
 Permit Use: NoData  
 Purpose: Livestock  
 JT 10/19/2023

# CT-02493 POD1

## Clayton Basin

### Kirk Fly



1:24,000



OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





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OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





OXY – BRAVO DOME 1834 101G LEG 5 (01/04/2022)





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

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August 27, 2024

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: BRAVO DOME 1834 101G LEG 5 (1/04/22)

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 16:45.

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".

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 1 @ 3' (H245164-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/26/2024	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	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 2 @ 3' (H245164-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/26/2024	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	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 3 @ 3' (H245164-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/26/2024	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	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 4 @ 3' (H245164-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/26/2024	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	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 5 @ 4' (H245164-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/26/2024	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	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 6 @ 4' (H245164-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/26/2024	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	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 7 @ 4' (H245164-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/26/2024	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	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 8 @ 4' (H245164-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	64.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 9 @ 4' (H245164-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	64.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 10 @ 4' (H245164-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	64.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 11 @ 4' (H245164-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	48.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 12 @ 4' (H245164-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	80.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 13 @ 3' (H245164-13)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	96.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 14 @ 3' (H245164-14)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	96.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 15 @ 3' (H245164-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	96.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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

Received:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 16 @ 3' (H245164-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	80.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 17 @ 3' (H245164-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87	
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 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	80.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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**Analytical Results For:**

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

Received:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 18 @ 3' (H245164-18)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/26/2024	ND	2.05	102	2.00	5.87		
Toluene*	<0.050	0.050	08/26/2024	ND	1.98	99.0	2.00	4.16		
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.98	98.8	2.00	4.35		
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.88	98.0	6.00	4.47		
Total BTEX	<0.300	0.300	08/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 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	64.0	16.0	08/26/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470		
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55		
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND						

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 19 @ 3' (H245164-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	1.96	98.0	2.00	5.24	
Toluene*	<0.050	0.050	08/26/2024	ND	1.91	95.4	2.00	5.14	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.92	96.1	2.00	4.58	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.70	95.0	6.00	4.63	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	80.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 20 @ 3' (H245164-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	1.96	98.0	2.00	5.24	
Toluene*	<0.050	0.050	08/26/2024	ND	1.91	95.4	2.00	5.14	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.92	96.1	2.00	4.58	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.70	95.0	6.00	4.63	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	64.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	187	93.3	200	0.470	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	194	96.9	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 21 @ 3' (H245164-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	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	160	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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:	08/23/2024	Sampling Date:	08/21/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 22 @ 3' (H245164-22)**

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	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	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	80.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 23 @ 3' (H245164-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	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	80.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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  
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 Fax To: (575) 397-0397

Received:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 24 @ 3' (H245164-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	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	80.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 25 @ 3' (H245164-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	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	96.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 26 @ 3' (H245164-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	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	96.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 1 (H245164-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	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	32.0	16.0	08/26/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 2 (H245164-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 3 (H245164-29)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 72.4 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 4 (H245164-30)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 5 (H245164-31)**

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	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 6 (H245164-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 7 (H245164-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 57.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

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**Analytical Results For:**

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

Received:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 8 (H245164-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 9 (H245164-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 10 (H245164-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 11 (H245164-37)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 12 (H245164-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 62.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 13 (H245164-39)**

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	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 14 (H245164-40)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	2.16	108	2.00	0.0194	
Toluene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.550	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	2.21	110	2.00	0.903	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	6.81	113	6.00	0.220	
Total BTEX	<0.300	0.300	08/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	210	105	200	1.42	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	222	111	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 15 (H245164-41)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2024	ND	1.96	98.0	2.00	5.24	
Toluene*	<0.050	0.050	08/26/2024	ND	1.91	95.4	2.00	5.14	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.92	96.1	2.00	4.58	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.70	95.0	6.00	4.63	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/26/2024	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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 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:	08/23/2024	Sampling Date:	08/22/2024
Reported:	08/27/2024	Sampling Type:	Soil
Project Name:	BRAVO DOME 1834 101G LEG 5 (1/04/2:	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 16 (H245164-42)**

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	08/26/2024	ND	1.96	98.0	2.00	5.24	
Toluene*	<0.050	0.050	08/26/2024	ND	1.91	95.4	2.00	5.14	
Ethylbenzene*	<0.050	0.050	08/26/2024	ND	1.92	96.1	2.00	4.58	
Total Xylenes*	<0.150	0.150	08/26/2024	ND	5.70	95.0	6.00	4.63	
Total BTEX	<0.300	0.300	08/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/26/2024	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	08/26/2024	ND	224	112	200	0.232	
DRO >C10-C28*	<10.0	10.0	08/26/2024	ND	213	106	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	08/26/2024	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

105

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Brunson Company: Oxy  
 Address: P.O. Box 805 Attn: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: \_\_\_\_\_ Project Owner: Oxy  
 Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22)  
 Project Location: New Mexico City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Sampler Name: SIMON RENDON Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H245104	BOTTOM SAMPLE 1@ 3'	G	1						8/21/24	11:20AM	✓	✓	✓	
	BOTTOM SAMPLE 2@ 3'								8/21/24	11:34AM	✓	✓	✓	
	BOTTOM SAMPLE 3@ 3'								8/21/24	11:45AM	✓	✓	✓	
	BOTTOM SAMPLE 4@ 3'								8/21/24	11:56AM	✓	✓	✓	
	BOTTOM SAMPLE 5@ 4'								8/21/24	12:10PM	✓	✓	✓	
	BOTTOM SAMPLE 6@ 4'								8/21/24	12:48PM	✓	✓	✓	
	BOTTOM SAMPLE 7@ 4'								8/21/24	1:09PM	✓	✓	✓	
	BOTTOM SAMPLE 8@ 4'								8/21/24	1:20PM	✓	✓	✓	
	BOTTOM SAMPLE 9@ 4'								8/21/24	1:32PM	✓	✓	✓	
	BOTTOM SAMPLE 10@ 4'								8/21/24	1:45PM	✓	✓	✓	

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Relinquished By: \_\_\_\_\_ Date: 8-23-24 Received By: \_\_\_\_\_ Date: 8-23-24  
 Relinquished By: \_\_\_\_\_ Date: 8-23-24 Received By: \_\_\_\_\_ Date: 8-23-24  
 Delivered By: (Circle One) \_\_\_\_\_  
 Sampler - UPS - Bus - Other: \_\_\_\_\_  
 Temperature: \_\_\_\_\_  
 Sample Condition: \_\_\_\_\_  
 Checked By: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

285

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

Project Manager: Cliff Brunson P.O. #: Company: Oxy

Address: P.O. Box 805 State: NM Zip: 88241 Attn:

City: Hobbs Phone #: 575-397-6388 Fax #: 575-397-0397 Address:

Project #: Project Owner: Oxy City: Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22) State: Zip:

Project Location: New Mexico Project Name: SIMON RENDON Phone #: Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
11	BOTTOM SAMPLE 11@ 4'	G	1						8/21/24	1:56PM	✓	✓	✓	
12	BOTTOM SAMPLE 12@ 4'								8/21/24	2:10PM	✓	✓	✓	
13	BOTTOM SAMPLE 13@ 3'								8/21/24	2:23PM	✓	✓	✓	
14	BOTTOM SAMPLE 14@ 3'								8/21/24	2:35PM	✓	✓	✓	
15	BOTTOM SAMPLE 15@ 3'								8/21/24	2:48PM	✓	✓	✓	
16	BOTTOM SAMPLE 16@ 3'								8/21/24	3:00PM	✓	✓	✓	
17	BOTTOM SAMPLE 17@ 3'								8/21/24	3:10PM	✓	✓	✓	
18	BOTTOM SAMPLE 18@ 3'								8/21/24	3:19PM	✓	✓	✓	
19	BOTTOM SAMPLE 19@ 3'								8/21/24	3:31PM	✓	✓	✓	
20	BOTTOM SAMPLE 20@ 3'								8/21/24	3:46PM	✓	✓	✓	

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Relinquished By: *[Signature]* Date: 8-23-24 Received By: *[Signature]* Date: 8-23-24

Relinquished By: *[Signature]* Time: 1:00 PM Received By: *[Signature]* Time: 1:00 PM

Delivered By: (Circle One) *[Signature]* CE-D.O.C #140 Sample Condition:  Intact  Cool  Yes  No

Sampler - UPS - Bus - Other: *[Signature]* -6.3°C / -6.9°C

CHECKED BY: *[Signature]* (Initials)

REMARKS: 48m Resr

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

5 of 5

Company Name: BBC International, Inc.

**BILL TO**

**ANALYSIS REQUEST**

Project Manager: Cliff Brunson  
Address: P.O. Box 805  
City: Hobbs State: NM Zip: 88241  
Phone #: 575-397-6388 Fax #: 575-397-0397  
Project #: Project Owner: Oxy  
Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22)  
Project Location: New Mexico  
Sampler Name: SIMON RENDON

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
21	BOTTOM SAMPLE 21@ 3'	G	1			<input checked="" type="checkbox"/>				8/21/24	3:58PM	✓	✓	✓
22	BOTTOM SAMPLE 22@ 3'									8/21/24	4:12PM	✓	✓	✓
23	BOTTOM SAMPLE 23@ 3'									8/22/24	9:20AM	✓	✓	✓
24	BOTTOM SAMPLE 24@ 3'									8/22/24	9:34AM	✓	✓	✓
25	BOTTOM SAMPLE 25@ 3'									8/22/24	9:49AM	✓	✓	✓
26	BOTTOM SAMPLE 26@ 3'									8/22/24	10:12AM	✓	✓	✓
27	SIDEWALL 1									8/22/24	10:22AM	✓	✓	✓
28	SIDEWALL 2									8/22/24	10:34AM	✓	✓	✓
29	SIDEWALL 3									8/22/24	10:45AM	✓	✓	✓
30	SIDEWALL 4									8/22/24	10:56AM	✓	✓	✓

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Relinquished By: *[Signature]* Date: 8-23-24 Received By: *[Signature]* Date: 8-23-24

Relinquished By: *[Signature]* Time: 1:00 PM Received By: *[Signature]* Time: 1:45 PM

Delivered By: (Circle One) *CF-Oil #140* Sample Condition:  Yes  No

Cool Impact:  Yes  No

Sampler - UPS - Bus - Other: *-6.34/-6.9c* CHECKED BY: *[Signature]* (Initials) *AS*

REMARKS: *218 m Resh*

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

4 of 5

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs  
 State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDON

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME
4245164				SOIL			8/22/24	11:04AM
33	SIDEWALL 5			SOIL			8/22/24	11:12AM
33	SIDEWALL 6			SOIL			8/22/24	11:21AM
33	SIDEWALL 7			SOIL			8/22/24	11:30AM
34	SIDEWALL 8			SOIL			8/22/24	11:37AM
35	SIDEWALL 9			SOIL			8/22/24	11:48AM
36	SIDEWALL 10			SOIL			8/22/24	12:00PM
37	SIDEWALL 11			SOIL			8/22/24	12:11PM
38	SIDEWALL 12			SOIL			8/22/24	12:20PM
39	SIDEWALL 13			SOIL			8/22/24	12:27PM
40	SIDEWALL 14			SOIL			8/22/24	12:27PM

| ANALYSIS REQUEST |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Chloride         | BTFX             | TPHEXT           |                  |                  |                  |                  |                  |                  |                  |
|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
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|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
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|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

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Relinquished By: *[Signature]* Date: 8-23-24 Received By: *[Signature]* Date: 8-23-24  
 Relinquished By: *[Signature]* Time: 1:00 PM Received By: *[Signature]* Time: 1:00 PM  
 Delivered By: (Circle One) *[Signature]* Time: 1:45  
 Sampler - UPS - Bus - Other: *[Signature]* Time: 1:45  
 Sample Condition:  Intact  Broken  
 Checked By: *[Signature]* (Initials) *[Signature]*

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: *[Signature]*

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

545

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22) Project Location: New Mexico Sampler Name: SIMON RENDON		State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy City: State: Zip: Phone #: Fax #:		<b>BILL TO</b> P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:		<b>ANALYSIS REQUEST</b>			
FOR LAB USE ONLY Lab I.D. <b>Sample I.D.</b> H245164 41 42		(G)RAB OR (C)OMP. <input checked="" type="checkbox"/> # CONTAINERS <input checked="" type="checkbox"/> MATRIX GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input checked="" type="checkbox"/> OTHER : <input type="checkbox"/>		PRESERV <input type="checkbox"/> DATE <input type="checkbox"/> SAMPLING <input type="checkbox"/>		DATE <input type="checkbox"/> TIME <input type="checkbox"/>		Chloride <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> TPH EXT <input checked="" type="checkbox"/>	
Relinquished By: <i>[Signature]</i> Date: 8-23-24 Time: 11:00 AM		Received By: <i>[Signature]</i> Date: 8-23-24 Time: 11:00 AM		Relinquished By: <i>[Signature]</i> Date: 8-23-24 Time: 11:00 AM		Received By: <i>[Signature]</i> Date: 8-23-24 Time: 11:00 AM		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS:	
Delivered By: (Circle One) <input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other: UPS - UPS - Bus - Other: -6.32 / -6.92		Delivered By: <i>[Signature]</i> Date: 8-23-24 Time: 11:00 AM		Delivered By: <i>[Signature]</i> Date: 8-23-24 Time: 11:00 AM		Delivered By: <i>[Signature]</i> Date: 8-23-24 Time: 11:00 AM		Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <i>[Signature]</i> (Initials)	

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48 m Rush



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

September 09, 2024

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: BRAVO DOME 1834 101G LEG 5 (1/04/22)

Enclosed are the results of analyses for samples received by the laboratory on 08/23/24 16:45.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B      Total Coliform and E. coli (Colilert MMO-MUG)  
Method EPA 524.2      Regulated VOCs and Total Trihalomethanes (TTHM)  
Method EPA 552.2      Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BOTTOM SAMPLE 1 @ 3'	H245164-01	Soil	21-Aug-24 11:20	23-Aug-24 16:45
BOTTOM SAMPLE 2 @ 3'	H245164-02	Soil	21-Aug-24 11:34	23-Aug-24 16:45
BOTTOM SAMPLE 3 @ 3'	H245164-03	Soil	21-Aug-24 11:45	23-Aug-24 16:45
BOTTOM SAMPLE 4 @ 3'	H245164-04	Soil	21-Aug-24 11:56	23-Aug-24 16:45
BOTTOM SAMPLE 5 @ 4'	H245164-05	Soil	21-Aug-24 12:10	23-Aug-24 16:45
BOTTOM SAMPLE 6 @ 4'	H245164-06	Soil	21-Aug-24 12:48	23-Aug-24 16:45
BOTTOM SAMPLE 7 @ 4'	H245164-07	Soil	21-Aug-24 13:09	23-Aug-24 16:45
BOTTOM SAMPLE 8 @ 4'	H245164-08	Soil	21-Aug-24 13:20	23-Aug-24 16:45
BOTTOM SAMPLE 9 @ 4'	H245164-09	Soil	21-Aug-24 13:32	23-Aug-24 16:45
BOTTOM SAMPLE 10 @ 4'	H245164-10	Soil	21-Aug-24 13:45	23-Aug-24 16:45
BOTTOM SAMPLE 11 @ 4'	H245164-11	Soil	21-Aug-24 13:56	23-Aug-24 16:45
BOTTOM SAMPLE 12 @ 4'	H245164-12	Soil	21-Aug-24 14:10	23-Aug-24 16:45
BOTTOM SAMPLE 13 @ 3'	H245164-13	Soil	21-Aug-24 14:23	23-Aug-24 16:45
BOTTOM SAMPLE 14 @ 3'	H245164-14	Soil	21-Aug-24 14:35	23-Aug-24 16:45
BOTTOM SAMPLE 15 @ 3'	H245164-15	Soil	21-Aug-24 14:48	23-Aug-24 16:45
BOTTOM SAMPLE 16 @ 3'	H245164-16	Soil	21-Aug-24 15:00	23-Aug-24 16:45
BOTTOM SAMPLE 17 @ 3'	H245164-17	Soil	21-Aug-24 15:10	23-Aug-24 16:45
BOTTOM SAMPLE 18 @ 3'	H245164-18	Soil	21-Aug-24 15:19	23-Aug-24 16:45
BOTTOM SAMPLE 19 @ 3'	H245164-19	Soil	21-Aug-24 15:31	23-Aug-24 16:45
BOTTOM SAMPLE 20 @ 3'	H245164-20	Soil	21-Aug-24 15:46	23-Aug-24 16:45
BOTTOM SAMPLE 21 @ 3'	H245164-21	Soil	21-Aug-24 15:58	23-Aug-24 16:45
BOTTOM SAMPLE 22 @ 3'	H245164-22	Soil	21-Aug-24 16:12	23-Aug-24 16:45
BOTTOM SAMPLE 23 @ 5'	H245164-23	Soil	22-Aug-24 09:20	23-Aug-24 16:45
BOTTOM SAMPLE 24 @ 5'	H245164-24	Soil	22-Aug-24 09:34	23-Aug-24 16:45
BOTTOM SAMPLE 25 @ 5'	H245164-25	Soil	22-Aug-24 09:49	23-Aug-24 16:45
BOTTOM SAMPLE 26 @ 5'	H245164-26	Soil	22-Aug-24 10:12	23-Aug-24 16:45
SIDEWALL 1	H245164-27	Soil	22-Aug-24 10:22	23-Aug-24 16:45

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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SIDEWALL 2	H245164-28	Soil	22-Aug-24 10:34	23-Aug-24 16:45
SIDEWALL 3	H245164-29	Soil	22-Aug-24 10:45	23-Aug-24 16:45
SIDEWALL 4	H245164-30	Soil	22-Aug-24 10:56	23-Aug-24 16:45
SIDEWALL 5	H245164-31	Soil	22-Aug-24 11:04	23-Aug-24 16:45
SIDEWALL 6	H245164-32	Soil	22-Aug-24 11:12	23-Aug-24 16:45
SIDEWALL 7	H245164-33	Soil	22-Aug-24 11:21	23-Aug-24 16:45
SIDEWALL 8	H245164-34	Soil	22-Aug-24 11:30	23-Aug-24 16:45
SIDEWALL 9	H245164-35	Soil	22-Aug-24 11:37	23-Aug-24 16:45
SIDEWALL 10	H245164-36	Soil	22-Aug-24 11:48	23-Aug-24 16:45
SIDEWALL 11	H245164-37	Soil	22-Aug-24 12:00	23-Aug-24 16:45
SIDEWALL 12	H245164-38	Soil	22-Aug-24 12:11	23-Aug-24 16:45
SIDEWALL 13	H245164-39	Soil	22-Aug-24 12:20	23-Aug-24 16:45
SIDEWALL 14	H245164-40	Soil	22-Aug-24 12:27	23-Aug-24 16:45
SIDEWALL 15	H245164-41	Soil	22-Aug-24 12:37	23-Aug-24 16:45
SIDEWALL 16	H245164-42	Soil	22-Aug-24 12:45	23-Aug-24 16:45

09/09/24 - Client changed the sample depths of -23, -24, -25 and -26 (see COC). This is the revised report and will replace the one sent on 08/27/24.

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**Analytical Results For:**

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**BOTTOM SAMPLE 1 @ 3'  
H245164-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	4082611	AC	26-Aug-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.9 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			87.9 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			82.2 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 2 @ 3'**

**H245164-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4082611	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.9 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			81.1 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			75.4 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 3 @ 3'**

**H245164-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4082611	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.9 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.3 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 4 @ 3'**

**H245164-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4082611	AC	26-Aug-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.6 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.4 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 5 @ 4'**

**H245164-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4082611	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.9 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			102 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			94.3 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 6 @ 4'**

**H245164-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4082611	AC	26-Aug-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.7 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			109 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 7 @ 4'  
H245164-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4082611	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.5 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			95.4 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 8 @ 4'**

**H245164-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.7 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.8 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 9 @ 4'**

**H245164-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.9 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			112 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 10 @ 4'  
H245164-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.8 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			108 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			99.7 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 11 @ 4'  
H245164-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.6 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			85.7 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.5 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 12 @ 4'  
H245164-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.3 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			91.8 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			83.4 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 13 @ 3'  
H245164-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.8 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			95.9 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 14 @ 3'  
H245164-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.8 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			90.5 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			82.9 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 15 @ 3'  
H245164-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.3 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			99.5 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			91.4 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 16 @ 3'**

**H245164-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.3 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			91.9 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 17 @ 3'**

**H245164-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.1 %		71.5-134	4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			92.7 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			84.4 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 18 @ 3'  
H245164-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082601	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082601	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.1 %	71.5-134		4082601	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			85.6 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			77.5 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 19 @ 3'  
H245164-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082603	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.5 %	71.5-134		4082603	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			90.9 %	48.2-134		4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			82.9 %	49.1-148		4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 20 @ 3'**

**H245164-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082603	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.9 %		71.5-134	4082603	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082501	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			76.1 %		48.2-134	4082501	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			69.4 %		49.1-148	4082501	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 21 @ 3'  
H245164-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			66.2 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			79.7 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 22 @ 3'  
H245164-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			73.2 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			87.0 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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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. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 23 @ 5'  
H245164-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			75.9 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			89.2 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 24 @ 5'  
H245164-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			75.5 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			86.3 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 25 @ 5'**

**H245164-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			76.0 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			88.3 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**BOTTOM SAMPLE 26 @ 5'  
H245164-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			78.7 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			93.9 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 1  
H245164-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082616	HM	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			78.6 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			91.1 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 2  
H245164-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			77.1 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			90.3 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 3  
H245164-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			72.4 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			88.3 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 4  
H245164-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			81.7 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			97.4 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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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. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 5  
H245164-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			62.1 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			75.3 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 6  
H245164-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			66.9 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.6 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 7  
H245164-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			57.0 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			68.6 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 8  
H245164-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			75.4 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			90.4 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 9  
H245164-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			78.3 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			92.5 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 10  
H245164-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			76.0 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			90.5 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 11  
H245164-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			79.8 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			96.0 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 12**

**H245164-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			62.8 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			74.7 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 13  
H245164-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			82.4 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 14  
H245164-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082602	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082602	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4082602	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082502	MS	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			80.3 %	48.2-134		4082502	MS	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			97.0 %	49.1-148		4082502	MS	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 15  
H245164-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082603	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.5 %	71.5-134		4082603	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082504	ms	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082504	ms	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082504	ms	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			72.8 %	48.2-134		4082504	ms	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			84.2 %	49.1-148		4082504	ms	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**SIDEWALL 16  
H245164-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4082617	AC	26-Aug-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4082603	JH	26-Aug-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4082603	JH	26-Aug-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.6 %		71.5-134	4082603	JH	26-Aug-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4082504	ms	26-Aug-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4082504	ms	26-Aug-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4082504	ms	26-Aug-24	8015B	

Surrogate: 1-Chlorooctane			75.8 %		48.2-134	4082504	ms	26-Aug-24	8015B	
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Surrogate: 1-Chlorooctadecane			86.3 %		49.1-148	4082504	ms	26-Aug-24	8015B	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082611 - 1:4 DI Water**

<b>Blank (4082611-BLK1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4082611-BS1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (4082611-BSD1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

**Batch 4082616 - 1:4 DI Water**

<b>Blank (4082616-BLK1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4082616-BS1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (4082616-BSD1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

**Batch 4082617 - 1:4 DI Water**

<b>Blank (4082617-BLK1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4082617-BS1)</b>		Prepared & Analyzed: 26-Aug-24								
Chloride	416	16.0	mg/kg	400		104	80-120			

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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1 Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082617 - 1:4 DI Water**

**LCS Dup (4082617-BSD1)**

Prepared & Analyzed: 26-Aug-24

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082601 - Volatiles**

**Blank (4082601-BLK1)**

Prepared & Analyzed: 26-Aug-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		96.8	71.5-134			

**LCS (4082601-BS1)**

Prepared & Analyzed: 26-Aug-24

Benzene	2.05	0.050	mg/kg	2.00		102	82.8-130			
Toluene	1.98	0.050	mg/kg	2.00		99.0	86-128			
Ethylbenzene	1.98	0.050	mg/kg	2.00		98.8	85.9-128			
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.8	89-129			
o-Xylene	1.93	0.050	mg/kg	2.00		96.6	86.1-125			
Total Xylenes	5.88	0.150	mg/kg	6.00		98.0	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.6	71.5-134			

**LCS Dup (4082601-BSD1)**

Prepared & Analyzed: 26-Aug-24

Benzene	1.93	0.050	mg/kg	2.00		96.5	82.8-130	5.87	15.8	
Toluene	1.90	0.050	mg/kg	2.00		95.0	86-128	4.16	15.9	
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.6	85.9-128	4.35	16	
m,p-Xylene	3.77	0.100	mg/kg	4.00		94.2	89-129	4.75	16.2	
o-Xylene	1.86	0.050	mg/kg	2.00		92.9	86.1-125	3.90	16.7	
Total Xylenes	5.63	0.150	mg/kg	6.00		93.8	88.2-128	4.47	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0479		mg/kg	0.0500		95.9	71.5-134			

**Batch 4082602 - Volatiles**

**Blank (4082602-BLK1)**

Prepared & Analyzed: 26-Aug-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082602 - Volatiles**

**Blank (4082602-BLK1)** Prepared & Analyzed: 26-Aug-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500		105	71.5-134			

**LCS (4082602-BS1)** Prepared & Analyzed: 26-Aug-24

Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130			
Toluene	2.21	0.050	mg/kg	2.00		110	86-128			
Ethylbenzene	2.21	0.050	mg/kg	2.00		110	85.9-128			
m,p-Xylene	4.60	0.100	mg/kg	4.00		115	89-129			
o-Xylene	2.21	0.050	mg/kg	2.00		110	86.1-125			
Total Xylenes	6.81	0.150	mg/kg	6.00		113	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	71.5-134			

**LCS Dup (4082602-BSD1)** Prepared & Analyzed: 26-Aug-24

Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130	0.0194	15.8	
Toluene	2.22	0.050	mg/kg	2.00		111	86-128	0.550	15.9	
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	85.9-128	0.903	16	
m,p-Xylene	4.57	0.100	mg/kg	4.00		114	89-129	0.539	16.2	
o-Xylene	2.22	0.050	mg/kg	2.00		111	86.1-125	0.441	16.7	
Total Xylenes	6.79	0.150	mg/kg	6.00		113	88.2-128	0.220	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

**Batch 4082603 - Volatiles**

**Blank (4082603-BLK1)** Prepared & Analyzed: 26-Aug-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.1	71.5-134			

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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. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082603 - Volatiles**

**LCS (4082603-BS1)**

Prepared & Analyzed: 26-Aug-24

Benzene	1.96	0.050	mg/kg	2.00		98.0	82.8-130			
Toluene	1.91	0.050	mg/kg	2.00		95.4	86-128			
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.1	85.9-128			
m,p-Xylene	3.82	0.100	mg/kg	4.00		95.5	89-129			
o-Xylene	1.88	0.050	mg/kg	2.00		94.1	86.1-125			
Total Xylenes	5.70	0.150	mg/kg	6.00		95.0	88.2-128			

Surrogate: 4-Bromofluorobenzene (PID)

0.0485		mg/kg	0.0500		96.9	71.5-134
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**LCS Dup (4082603-BS1)**

Prepared & Analyzed: 26-Aug-24

Benzene	2.07	0.050	mg/kg	2.00	103	82.8-130	5.24	15.8
Toluene	2.01	0.050	mg/kg	2.00	100	86-128	5.14	15.9
Ethylbenzene	2.01	0.050	mg/kg	2.00	101	85.9-128	4.58	16
m,p-Xylene	4.01	0.100	mg/kg	4.00	100	89-129	4.78	16.2
o-Xylene	1.97	0.050	mg/kg	2.00	98.3	86.1-125	4.32	16.7
Total Xylenes	5.97	0.150	mg/kg	6.00	99.6	88.2-128	4.63	16.3

Surrogate: 4-Bromofluorobenzene (PID)

0.0488		mg/kg	0.0500		97.6	71.5-134
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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. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082501 - General Prep - Organics**

<b>Blank (4082501-BLK1)</b>		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	56.1		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	53.2		mg/kg	50.0		106	49.1-148			

<b>LCS (4082501-BS1)</b>		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	187	10.0	mg/kg	200		93.3	66.4-123			
DRO >C10-C28	194	10.0	mg/kg	200		96.9	66.5-118			
Total TPH C6-C28	380	10.0	mg/kg	400		95.1	77.6-123			
Surrogate: 1-Chlorooctane	59.8		mg/kg	50.0		120	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			

<b>LCS Dup (4082501-BSD1)</b>		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	187	10.0	mg/kg	200		93.7	66.4-123	0.470	17.7	
DRO >C10-C28	191	10.0	mg/kg	200		95.4	66.5-118	1.55	21	
Total TPH C6-C28	378	10.0	mg/kg	400		94.6	77.6-123	0.554	18.5	
Surrogate: 1-Chlorooctane	56.9		mg/kg	50.0		114	48.2-134			
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0		104	49.1-148			

**Batch 4082502 - General Prep - Organics**

<b>Blank (4082502-BLK1)</b>		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.1	48.2-134			
Surrogate: 1-Chlorooctadecane	56.4		mg/kg	50.0		113	49.1-148			

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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082502 - General Prep - Organics**

LCS (4082502-BS1)		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	210	10.0	mg/kg	200		105	66.4-123			
DRO >C10-C28	222	10.0	mg/kg	200		111	66.5-118			
Total TPH C6-C28	432	10.0	mg/kg	400		108	77.6-123			
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	63.1		mg/kg	50.0		126	49.1-148			

LCS Dup (4082502-BSD1)		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	207	10.0	mg/kg	200		103	66.4-123	1.42	17.7	
DRO >C10-C28	212	10.0	mg/kg	200		106	66.5-118	4.75	21	
Total TPH C6-C28	418	10.0	mg/kg	400		105	77.6-123	3.12	18.5	
Surrogate: 1-Chlorooctane	49.6		mg/kg	50.0		99.2	48.2-134			
Surrogate: 1-Chlorooctadecane	58.3		mg/kg	50.0		117	49.1-148			

**Batch 4082504 - General Prep - Organics**

Blank (4082504-BLK1)		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.4	48.2-134			
Surrogate: 1-Chlorooctadecane	52.9		mg/kg	50.0		106	49.1-148			

LCS (4082504-BS1)		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	224	10.0	mg/kg	200		112	66.4-123			
DRO >C10-C28	213	10.0	mg/kg	200		106	66.5-118			
Total TPH C6-C28	437	10.0	mg/kg	400		109	77.6-123			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	61.2		mg/kg	50.0		122	49.1-148			

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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: BRAVO DOME 1834 101G LEG 5 (1) Project Number: NOT GIVEN Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 09-Sep-24 13:44
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4082504 - General Prep - Organics**

<b>LCS Dup (4082504-BSD1)</b>		Prepared: 25-Aug-24 Analyzed: 26-Aug-24								
GRO C6-C10	224	10.0	mg/kg	200		112	66.4-123	0.232	17.7	
DRO >C10-C28	209	10.0	mg/kg	200		105	66.5-118	1.71	21	
Total TPH C6-C28	434	10.0	mg/kg	400		108	77.6-123	0.711	18.5	
Surrogate: 1-Chlorooctane	48.6		mg/kg	50.0		97.1	48.2-134			
Surrogate: 1-Chlorooctadecane	55.6		mg/kg	50.0		111	49.1-148			

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

1045

Company Name: BBC International, Inc.		<b>BILL TO</b>		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		P.O. #:			
Address: P.O. Box 805		Company: Oxy			
City: Hobbs		Attn:			
State: NM Zip: 88241		Address:			
Phone #: 575-397-6388		City:			
Fax #: 575-397-0397		State:			
Project #: Project Owner: Oxy		Zip:			
Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22)		Phone #:			
Project Location: New Mexico		Fax #:			
Sampler Name: SIMON RENDON					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	BTEX	TPHEXT
H245164	BOTTOM SAMPLE 1@ 3'	G	1	SOIL	ICE / COOL		8/21/24	11:20AM	✓	✓	✓
	BOTTOM SAMPLE 2@ 3'						8/21/24	11:34AM	✓	✓	✓
	BOTTOM SAMPLE 3@ 3'						8/21/24	11:45AM	✓	✓	✓
	BOTTOM SAMPLE 4@ 3'						8/21/24	11:56AM	✓	✓	✓
	BOTTOM SAMPLE 5@ 4'						8/21/24	12:10PM	✓	✓	✓
	BOTTOM SAMPLE 6@ 4'						8/21/24	12:48PM	✓	✓	✓
	BOTTOM SAMPLE 7@ 4'						8/21/24	1:09PM	✓	✓	✓
	BOTTOM SAMPLE 8@ 4'						8/21/24	1:20PM	✓	✓	✓
	BOTTOM SAMPLE 9@ 4'						8/21/24	1:32PM	✓	✓	✓
	BOTTOM SAMPLE 10@ 4'						8/21/24	1:45PM	✓	✓	✓

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Relinquished By: <i>[Signature]</i>	Date: 8-23-24	Received By: <i>[Signature]</i>	Date: 8-23-24
Relinquished By: <i>[Signature]</i>	Date: 8-23-24	Received By: <i>[Signature]</i>	Date: 8-23-24
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>CF-O.60 #1140</i>	Time: 10:45	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Checked By: <i>[Signature]</i> (Initials)
Sampler - UPS - Bus - Other: <i>-6.32/-6.92</i>		REMARKS: <i>45m Rush</i>	

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

285

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22) Project Location: New Mexico Sampler Name: SIMON RENDON		P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:	
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Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	✓	Chloride	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
11	BOTTOM SAMPLE 11@ 4'		1						8/21/24	1:56PM	✓				
12	BOTTOM SAMPLE 12@ 4'		1						8/21/24	2:10PM	✓				
13	BOTTOM SAMPLE 13@ 3'		1						8/21/24	2:23PM	✓				
14	BOTTOM SAMPLE 14@ 3'		1						8/21/24	2:35PM	✓				
15	BOTTOM SAMPLE 15@ 3'		1						8/21/24	2:48PM	✓				
16	BOTTOM SAMPLE 16@ 3'		1						8/21/24	3:00PM	✓				
17	BOTTOM SAMPLE 17@ 3'		1						8/21/24	3:10PM	✓				
18	BOTTOM SAMPLE 18@ 3'		1						8/21/24	3:19PM	✓				
19	BOTTOM SAMPLE 19@ 3'		1						8/21/24	3:31PM	✓				
20	BOTTOM SAMPLE 20@ 3'		1						8/21/24	3:46PM	✓				

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Relinquished By: <i>[Signature]</i> Date: 8-23-24 Received By: <i>[Signature]</i> Time: 11:00 AM	Date: 8-23-24 Received By: <i>[Signature]</i> Time: 11:00 AM
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>CF-D.O.C. #140</i> -6.3°C / -6.9°C	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Checked By: <i>[Signature]</i>
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS: 48 hr Rush	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 5

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Brunson Company: Oxy  
 Address: P.O. Box 805 Attn: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: \_\_\_\_\_ Project Owner: Oxy  
 Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22)  
 Project Location: New Mexico State: Zip: \_\_\_\_\_  
 Sampler Name: SIMON RENDON Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	Chloride	BTEX	TPHEXT
	H445164	BOTTOM SAMPLE 21@ 3'	(G)	1	SOIL	ICE / COOL	8/21/24	3:58PM	✓	✓	✓	
		BOTTOM SAMPLE 22@ 3'					8/21/24	4:12PM	✓	✓	✓	
		BOTTOM SAMPLE 23@ 3'					8/22/24	9:20AM	✓	✓	✓	
		BOTTOM SAMPLE 24@ 3'					8/22/24	9:34AM	✓	✓	✓	
		BOTTOM SAMPLE 25@ 3'					8/22/24	9:49AM	✓	✓	✓	
		BOTTOM SAMPLE 26@ 3'					8/22/24	10:12AM	✓	✓	✓	
		SIDEWALL 1					8/22/24	10:22AM	✓	✓	✓	
		SIDEWALL 2					8/22/24	10:34AM	✓	✓	✓	
		SIDEWALL 3					8/22/24	10:45AM	✓	✓	✓	
		SIDEWALL 4					8/22/24	10:56AM	✓	✓	✓	

PLEASE NOTE: Liability and Damages: Cardinal's liability and Cardex's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: 8-23-24 Received By: \_\_\_\_\_ Date: 8-23-24  
 Time: 1:00 PM Time: 8:33 AM  
 Delivered By: (Circle One) CF-O, 6.6.140 Received By: \_\_\_\_\_  
 Sampler - UPS - Bus - Other: -6.3.2/-6.9.2 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: \_\_\_\_\_ (Initials)  
 REMARKS: 298 m Resh \* Sample depth changed as per client. CR 9/9/24

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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

545

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: BRAVO DOME 1834 101G LEG 5 (1/4/22)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDON

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
41	SIDEWALL 15	G	1			✓					8/22/24	12:37PM	Chloride
42	SIDEWALL 16	✓	✓			✓					8/22/24	12:45PM	BTEX
													TPH EXT

PLEASE NOTE: Liability and Damages: Cardinal's liability and card's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or any profits incurred by client or its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *Simon Rendon* Date: 8-23-24 Time: 11:00 AM Received By: *Simon Rendon* Date: 8-23-24 Time: 11:45 AM  
 Reacquired By: *Simon Rendon* Date: 8-23-24 Time: 11:45 AM  
 Delivered By: (Circle One) *CF-O.G.E. #140* Sample Condition:  Intact  Cool  Yes  No  
 Sampler - UPS - Bus - Other: *-6.3°C / -6.9°C* CHECKED BY: *SR* (Initials)

REMARKS: *48 m Rush*  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

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

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**Santa Fe, NM 87505**

QUESTIONS

Action 381886

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 381886
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2200553732
Incident Name	NAPP2200553732 BRAVO DOME 1834 101G LEG 5 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

**Location of Release Source**

Please answer all the questions in this group.

Site Name	BRAVO DOME 1834 101G LEG 5
Date Release Discovered	01/04/2022
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: Other   Flow Line - Production   Produced Water   Released: 29 BBL   Recovered: 0 BBL   Lost: 29 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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QUESTIONS, Page 2

Action 381886

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 381886
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>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.</i>	

**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: wade_dittrich@oxy.com Date: 09/09/2024
--	---

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**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	381886
	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 1 and 5 (mi.)
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 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
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 ½ and 1 (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)	160
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	08/12/2024
On what date will (or did) the final sampling or liner inspection occur	08/21/2024
On what date will (or was) the remediation complete(d)	09/06/2024
What is the estimated surface area (in square feet) that will be reclaimed	5059
What is the estimated volume (in cubic yards) that will be reclaimed	952
What is the estimated surface area (in square feet) that will be remediated	5059
What is the estimated volume (in cubic yards) that will be remediated	952

*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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QUESTIONS, Page 4

Action 381886

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 381886
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(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.

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 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: 09/09/2024
--	---

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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QUESTIONS, Page 5

Action 381886

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 381886
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 381886

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 381886
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>374647</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>08/22/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>42</b>
What was the sampling surface area in square feet	<b>5059</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	<b>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>No</b>
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	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>5059</b>
What was the total volume (cubic yards) remediated	<b>952</b>
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	<b>Yes</b>
What was the total surface area (in square feet) reclaimed	<b>5059</b>
What was the total volume (in cubic yards) reclaimed	<b>952</b>
Summarize any additional remediation activities not included by answers (above)	OXY excavated the spill area as depicted on the following site diagram. The leak area near SP1, SP 5, SP6 and SP7 (BLUE shade on diagram) was excavated to a depth of 3 feet. The leak area near SP2 and SP4 (GREEN shade on diagram) was excavated to a depth of 4 feet. Leak area near SP3 (YELLOW shade on diagram) was excavated to the depth 5 feet. OXY collected bottom and sidewall confirmation samples every 200 square feet

*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 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: wade_dittrich@oxy.com Date: 09/09/2024
--	---

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QUESTIONS, Page 7

Action 381886

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 381886
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 381886

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 381886
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	9/11/2024