# **E N S O L U M**

February 7, 2025

**New Mexico Oil Conservation Division** 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Remediation Work Plan Cedar Canyon WTF Incident Numbers nAB1831034687, nAB1903143107, nAPP2220159690, nAPP2220849585, nAPP2225058687, nAPP2306952144, nAPP2327858634, nAPP2406733462 API: 30-015-42797 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared the following *Remediation Work Plan (Work Plan)* to document assessment activities completed to date and propose a work plan to address impacted soil identified at the Cedar Canyon WTF (Site). The purpose of assessment activities was to delineate the lateral and vertical extent of impacted soil resulting from multiple releases of produced water. The following *Work Plan* proposes to excavate impacted soil within the release extent.

# SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit K, Section 15, Township 24 South, Range 29 East, in Eddy County, New Mexico (32.215953°, -103.975829°) and is associated with oil and gas exploration and production operations on private land owned by Oxy.

### nAB1831034687

On August 15, 2018, a tank overflowed, resulting in the release of 120 barrels (bbls) of produced water into the lined secondary containment. The Site was reported to have no fluids recovered but after review of internal documents, a vacuum truck was dispatched to the Site to recover free-standing fluids; 110 bbls of produced water were recovered. Oxy reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted a Release Notification Form C-141 (Form C-141) on November 6, 2018. The release was assigned Incident Number nAB1831034687.

### nAB1903143107

On December 11, 2018, a steel pipe failed, resulting in the release of 10 bbls of produced water onto the surface of the treatment facility. No free-standing fluids were recovered. Oxy reported the release to the NMOCD and submitted a Form C-141 on January 25, 2019. The release was assigned Incident Number nAB1903143107.

### nAPP2220159690

On July 15, 2022, failure of a production flowline resulted in the release of 100 bbls of produced water onto the surface of the treatment facility. A vacuum truck was dispatched to the Site to recover free-

Oxy USA Inc. Remediation Work Plan Cedar Canyon WTF

standing fluids; 85 bbls of produced water were recovered. Oxy reported the release to the NMOCD via email on July 20, 2022. The release was assigned Incident Number nAPP2220159690

### nAPP2220849585

On July 22, 2022, an inlet to a water treatment facility polyline split at the seam, resulting in the release of 10 bbls of produced water onto the surface of the treatment facility. A vacuum truck was dispatched to the Site to recover free-standing fluids; 6 bbls of produced water were recovered. Oxy reported the release to the NMOCD and submitted a Form C-141 on September 23, 2022. The release was assigned Incident Number nAPP2220849585.

## nAPP2225058687

On August 25, 2022, a suction inlet flange on a transfer pump separated, resulting in the release of 215 bbls of produced water onto the surface of the treatment facility. A vacuum truck was dispatched to the Site to recover free-standing fluids; 205 bbls of produced water were recovered. Oxy reported the release to the NMOCD and submitted a Form C-141 on September 22, 2022. The release was assigned Incident Number nAPP2225058687.

### nAPP2306952144

On February 25, 2023, a level indicator failure resulted in the release of 120 bbls of produced water onto the surface of the treatment facility. A vacuum truck was dispatched to the Site to recover free-standing fluids; 110 bbls of produced water were recovered. Oxy reported the release to the NMOCD and submitted a Form C-141 on March 10, 2023. The release was assigned Incident Number nAPP2306952144.

## nAPP2327858634

On October 4, 2023, equipment failure resulted in the release of 20 bbls of produced water onto the surface of the treatment facility. A vacuum truck was dispatched to the Site to recover free-standing fluids; 10 bbls of produced water were recovered. Oxy reported the release to the NMOCD and submitted a Form C-141 on November 2, 2023. The release was assigned Incident Number nAPP2327858634.

### nAPP2406733462

On March 6, 2024, equipment failure resulted in the release of 25 bbls of produced water onto the surface of the treatment facility. No free-standing fluids were recovered. Oxy reported the release to the NMOCD via email on March 7, 2024. The release was assigned Incident Number nAPP2406733462.

# SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized for applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section.

Depth to groundwater at the Site is estimated to be less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring C-04778 POD 1, located approximately 0.3 miles northwest of the Site. The soil boring has a reported depth to groundwater of 18 feet bgs and a total depth of 40 feet bgs. All wells used for depth to groundwater determination are presented on Figure 1 and the associated well records are included in Appendix A.



Oxy USA Inc. Remediation Work Plan Cedar Canyon WTF

The closest continuously flowing or significant watercourse to the Site is a riverine, located approximately 1,845 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring. The Site is within a 100-year floodplain. The Site is not overlying a subsurface mine. The Site is underlain by unstable geology (medium potential karst designation area). Potential Site receptors are identified in Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

# SITE ASSESSMENT AND DELINEATION ACTIVITIES

Between May 23, 2024 and July 16, 2024, BBC International Incorporated (BBC) completed Site assessment and delineation activities. Soil samples SP N, SP E, SP S, SP W, and B 1 through B 20 were collected around the release extents at depths of 0.5 feet and 1-foot bgs to confirm the lateral extent of the releases. Potholes SP 1 through SP 2 were advanced within the release extents to confirm the vertical extent of the releases. The potholes were advanced to maximum depths ranging from 3 feet to 8 feet bgs. Discrete soil samples were collected from each pothole at depths ranging from 0.5 feet bgs to 8 feet bgs.

On January 23, 2025, Ensolum personnel returned to the Site to complete additional delineation activities. Soil samples SS01 through SS08 were collected around the release extents at a depth of 0.5 feet bgs to further confirm the lateral extent of the release. Soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips. The release extents and soil sample locations are depicted on Figure 2. Photographic documentation was completed during the site visits and a photographic log is included in Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500 CI-B.

# LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples SP N, SP E, SP S, SP W, B 1 through B 20, SS01 through SS08, and pothole SP14 indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for delineation soil samples collected from potholes SP 1 through SP 13, and SP 15 through SP 34 indicated BTEX and TPH concentrations were in compliance with the Closure Criteria, however, elevated chloride concentrations were present within the release extents at depths ranging from the ground surface to 7 feet bgs. Laboratory analytical results are presented in Table 1 and the complete laboratory reports and chain-of-custody documentation are presented in Appendix C.



Oxy USA Inc. Remediation Work Plan Cedar Canyon WTF

# **PROPOSED REMEDIATION WORK PLAN**

The delineation soil sampling results indicate soil containing elevated chloride concentrations exists across an approximate 58,430 square foot area and extends to a maximum depth of 7 feet bgs. Oxy proposes to complete the following remediation activities:

- Excavation of chloride-impacted soil to a depth of 8 feet bgs. Excavation will proceed laterally until sidewall samples confirm chloride concentrations are compliant with the Closure Criteria or to the maximum extent possible based on the locations of active production equipment and utilities.
- The soil samples will be handled as described above and analyzed for BTEX, TPH, and chloride.
- An estimated 8,650 cubic yards of chloride impacted soil will be excavated. The excavated soil will be transferred to an approved landfill facility for disposal.
- The excavation will be backfilled and recontoured to match pre-existing conditions.

Due to the approximate 58,430 square foot area and presence of multiple utilities, Oxy requests a variance to complete excavation and soil sampling activities within 180 days of the date of approval of this *Work Plan* by the NMOCD.

If you have any questions or comments, please contact Mr. Beaux Jennings at (210) 219-8858 or bjennings@ensolum.com.

**Beaux Jennings** 

Associate Principal

Sincerely, **Ensolum, LLC** 

Madrie Dreen

Hadlie Green Project Geologist

cc: Wade Dittrich, Oxy

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A Referenced Well Records
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

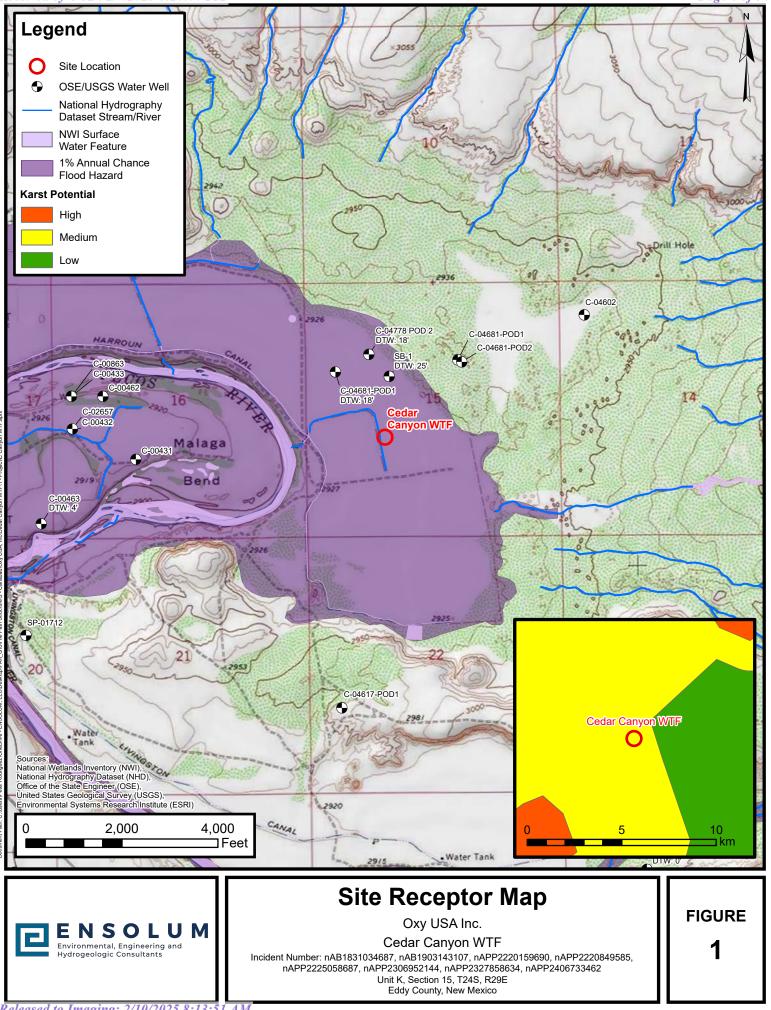




**FIGURES** 

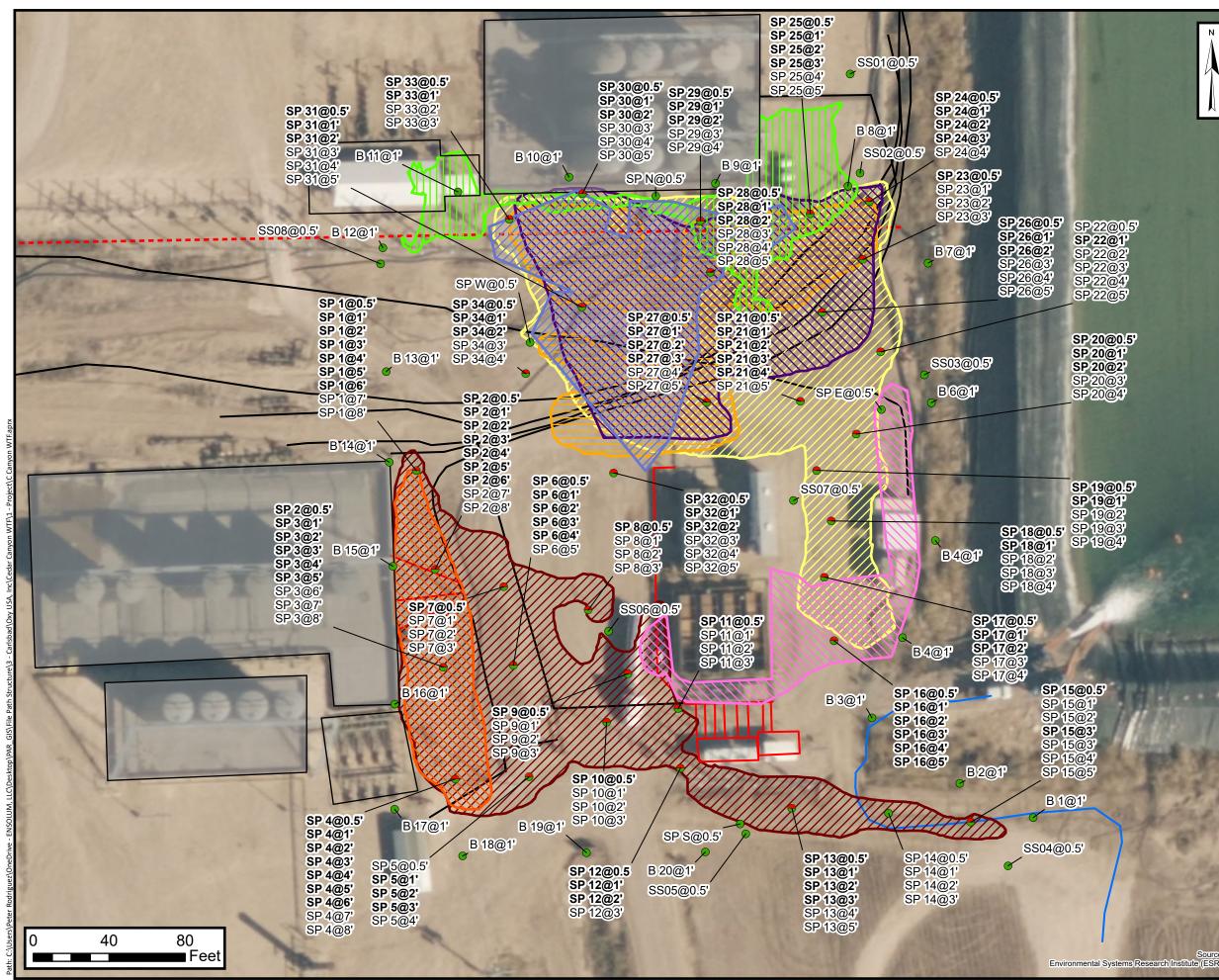
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Page 6 of 345



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# Legend

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- Delineation Soil Sample Compliant with **Closure** Criteria
- **Delineation Soil Sample with Concentrations** Previously Exceeding Closure Criteria
- **Electric Utility Line**
- **Overhead Utility**
- Surface Line
- Water Utility Line
- **Electrical Box**
- Lined Containment
- **Production Equipment**
- nAB1831034687 8/15/18 Release
- nAB1903143107 12/11/18 Release
- nAPP2220159690 7/15/22 Release
- nAPP2220849585 7/22/22 Release
- nAPP2225058687 8/25/22 Release
- nAPP2306952144 2/25/23 Release
- nAPP2327858634 10/4/23 Release
- nAPP2406733462 3/6/24 Release



# **Delineation Soil Sample Locations** Oxy USA Inc.

Cedar Canyon WTF

Unit K, Section 15, T24S, R29E Eddy County, New Mexico



Incident Number: nAB1831034687, nAB1903143107, nAPP2220159690 nAPP2220849585, nAPP2225058687, nAPP2306952144, nAPP2327858634, nAPP2406733462



# TABLES

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# ENSOLUM

				C	TABLE 1         LE ANALYTICA         Cedar Canyon WT         Oxy USA Inc.         Y County, New Me	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
		·		Deli	neation Soil Sam	ples		•	·	
SP N	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP E	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP S	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP W	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 1	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	26,000
SP 1	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,120
SP 1	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,920
SP 1	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,120
SP 1	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
SP 1	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,840
SP 1	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	944
SP 1	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SP 1	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 2	05/23/2024	0.5	<0.050	<0.300	<10.0	31.6	<10.0	31.6	31.6	52,000
SP 2	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,320
SP 2	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,760
SP 2	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,080
SP 2	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
SP 2	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
SP 2	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
SP 2	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 2	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

				C	TABLE 1         LE ANALYTICA         Cedar Canyon WT         Oxy USA Inc.         Y County, New Me	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 3	05/23/2024	0.5	<0.050	<0.300	<10.0	488	166	488	654	62,400
SP 3	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,320
SP 3	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
SP 3	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
SP 3	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400
SP 3	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,680
SP 3	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP 3	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 3	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 4	05/24/2024	0.5	<0.050	<0.300	<10.0	26.6	<10.0	26.6	26.6	80,800
SP 4	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,240
SP 4	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,400
SP 4	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,860
SP 4	05/24/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,800
SP 4	05/24/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,730
SP 4	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
SP 4	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 4	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 5	05/24/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 5	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SP 5	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
SP 5	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SP 5	07/01/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

				С	TABLE 1         LE ANALYTICA         Sedar Canyon WT         Oxy USA Inc.         / County, New Me	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 6	05/24/2024	0.5	<0.050	<0.300	<10.0	52.4	<10.0	52.4	52.4	40,800
SP 6	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,480
SP 6	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SP 6	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
SP 6	05/24/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
SP 6	05/24/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SP 7	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,480
SP 7	05/28/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SP 7	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SP 7	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 8	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,800
SP 8	05/28/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SP 8	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP 8	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SP 9	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,720
SP 9	05/28/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP 9	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 9	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP 10	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,560
SP 10	05/28/2024	1	<0.050	<0.300	<10.0	54.0	37.2	54.0	91.2	192
SP 10	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 10	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

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# **ENSOLUM**

				c	TABLE 1         PLE ANALYTICA         Cedar Canyon W1         Oxy USA Inc.         Y County, New M	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 11	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,720
SP 11	05/28/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SP 11	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP 11	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 12	05/29/2024	0.5	<0.050	<0.300	<10.0	3,670	<10.0	3,670	3,670	5,120
SP 12	05/29/2024	1	<0.050	<0.300	<10.0	149	<10.0	149	149	752
SP 12	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
SP 12	05/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 13	05/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,200
SP 13	05/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
SP 13	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,760
SP 13	05/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,710
SP 13	05/29/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP 13	05/29/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP 14	05/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SP 14	05/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 14	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP 14	05/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 15	05/29/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
SP 15	05/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 15	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SP 15	05/29/2024	3	<0.050	<0.300	<10.0	42.8	43.0	42.8	85.8	4,720
SP 15	07/01/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP 15	07/01/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

				C	TABLE 1         LE ANALYTICA         Sedar Canyon WT         Oxy USA Inc.         / County, New Mage	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 16	05/29/2024	0.5	<0.050	<0.300	<10.0	38.9	44.9	38.9	83.8	4,880
SP 16	05/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
SP 16	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP 16	05/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
SP 16	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP 16	05/30/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 17	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	30,000
SP 17	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,400
SP 17	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
SP 17	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP 17	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SP 18	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,000
SP 18	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
SP 18	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SP 18	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 18	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP 19	05/30/2024	0.5	<0.050	<0.300	<10.0	43.4	18.0	43.4	61.4	9,900
SP 19	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
SP 19	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP 19	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP 19	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

				С	TABLE 1         LE ANALYTICA         redar Canyon WT         Oxy USA Inc.         / County, New Mage	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 20	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,920
SP 20	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
SP 20	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
SP 20	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 20	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 21	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,400
SP 21	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
SP 21	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,280
SP 21	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SP 21	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
SP 21	07/01/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP 22	05/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 22	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,040
SP 22	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP 22	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP 22	05/31/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 22	05/31/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP 23	05/31/2024	0.5	<0.050	<0.300	<10.0	46.2	14.2	46.2	60.4	1,320
SP 23	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 23	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP 23	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160

				C	TABLE 1         LE ANALYTICA         Sedar Canyon WT         Oxy USA Inc.         / County, New Model	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 24	05/31/2024	0.5	<0.050	<0.300	<10.0	84.5	31.3	84.5	115.8	37,600
SP 24	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
SP 24	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,300
SP 24	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP 24	05/31/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 25	05/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,360
SP 25	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400
SP 25	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,400
SP 25	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 25	05/31/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP 25	05/31/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 26	06/03/2024	0.5	<0.050	<0.300	<10.0	16,100	5,680	16,100	21,780	6,400
SP 26	06/03/2024	1	<0.050	<0.300	<10.0	2,240	778	2,240	3,018	4,080
SP 26	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,500
SP 26	06/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP 26	06/03/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 26	06/03/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 27	06/03/2024	0.5	<0.050	<0.300	<10.0	5,690	1,350	5,690	7,040	20,600
SP 27	06/03/2024	1	<0.050	<0.300	<10.0	24.7	<10.0	24.7	24.7	7,800
SP 27	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,200
SP 27	06/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
SP 27	06/03/2024	4	<0.050	<0.300	<10.0	13.2	<10.0	13.2	13.2	224
SP 27	06/03/2024	5	<0.050	<0.300	<10.0	23.6	<10.0	23.6	23.6	32.0

				C	TABLE 1         LE ANALYTICA         Cedar Canyon WT         Oxy USA Inc.         Y County, New Mage	ſF				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 28	06/03/2024	0.5	<0.050	0.37	136	37,300	8,210	37,436	45,646	16,800
SP 28	06/03/2024	1	<0.050	<0.300	67.5	4,050	852	4,118	4,970	2,080
SP 28	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
SP 28	06/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP 28	06/03/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 28	06/03/2024	5	<0.050	<0.300	<10.0	14.8	<10.0	14.8	14.8	32.0
SP 29	06/03/2024	0.5	<0.050	<0.300	<10.0	28,100	8,650	28,100	36,750	8,560
SP 29	06/03/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600
SP 29	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,310
SP 29	06/04/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SP 29	06/04/2024	4	<0.050	<0.300	<10.0	42.8	<10.0	<10.0	<10.0	160
SP 30	06/03/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,500
SP 30	06/03/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,200
SP 30	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,700
SP 30	06/04/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	324
SP 30	06/04/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 30	06/04/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 31	06/05/2024	0.5	<0.050	<0.300	<10.0	807	373	807	1,180	23,600
SP 31	06/05/2024	1	<0.050	<0.300	<10.0	39.0	<10.0	39.0	39.0	1,040
SP 31	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
SP 31	06/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 31	06/05/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP 31	06/05/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

				С	TABLE 1         LE ANALYTICA         redar Canyon WT         Oxy USA Inc.         / County, New Mage	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SP 32	06/04/2024	0.5	<0.050	<0.300	<10.0	109	98.8	109	208	21,600
SP 32	06/04/2024	1	<0.050	<0.300	<10.0	53.3	12.8	53.3	66.1	2,280
SP 32	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
SP 32	06/04/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 32	06/04/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SP 32	06/04/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 33	06/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	976
SP 33	06/05/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 33	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 33	06/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 34	06/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,880
SP 34	06/05/2024	1	<0.050	<0.300	<10.0	62.8	<10.0	62.8	62.8	864
SP 34	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,330
SP 34	06/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 34	06/05/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
B 1	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 2	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
В 3	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 4	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0

# **ENSOLUM**

				С	TABLE 1         LE ANALYTICA         edar Canyon WT         Oxy USA Inc.         Oounty, New M	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
B 5	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 6	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 7	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
B 8	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
В 9	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
B 10	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 11	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 12	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
B 13	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
B 14	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 15	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
B 16	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 17	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 18	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
B 19	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
B 20	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SS01	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS02	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SS03	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SS04	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS05	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

# **ENSOLUM**

				c	TABLE 1         PLE ANALYTICA         Cedar Canyon WT         Oxy USA Inc.         y County, New Mage	F				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
SS06	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS07	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS08	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.



# APPENDIX A

**Referenced Well Records** 

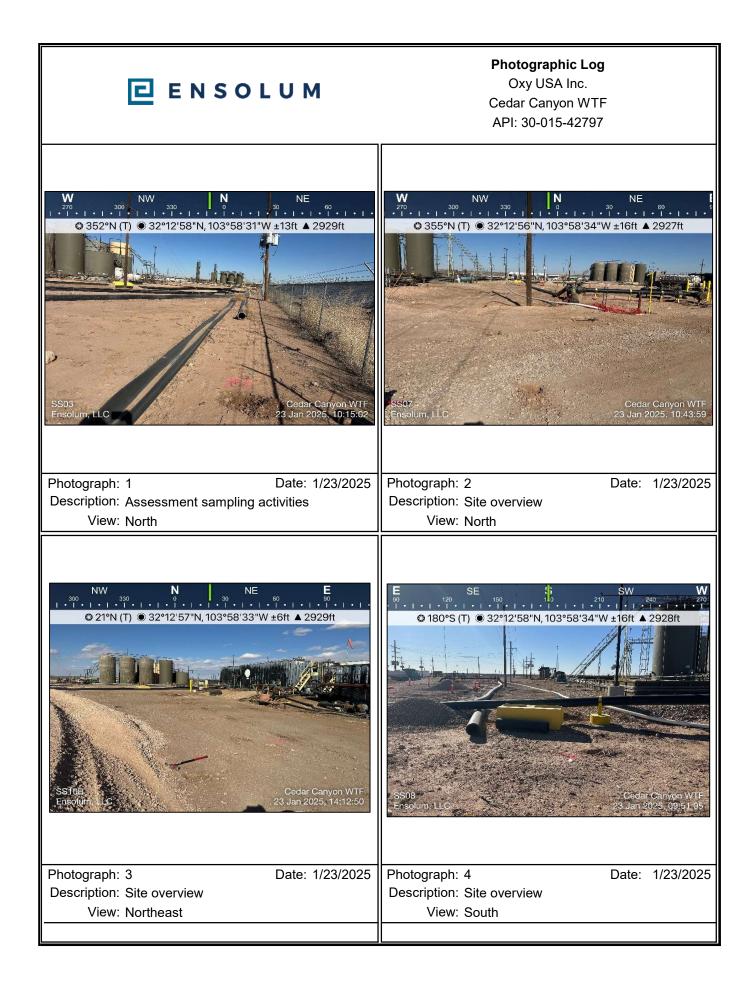
-			OFFICE OF 1 www.ose.state	HE STATE ENGINEER					DEC 18 PM	VEN
GENERAL AND WELE LOCATION	OSE POD NO O BMW-1 WELL OWNER	NAME(S)	I Bm	well tag to No.	11.	OSE FILE NO(	C-477	8	OFFICE	· · · · · · · · · · · · · · · · · · ·
	Oxy USA Inc		ADDRESS			CITY		STATI		ZIP
	P.O Box 4294					Houston		TX	77210	
	WELL LOCATION (FROM GPS)		DE TTUDE IGITUDE		0NDS 1 N 4.8 W	1 - Des-12 108 (\$455, Des-145, 11)	REQUIRED: ONE TEN QUIRED: WGS 84	TH OF A	SECOND	
	DESCRIPTION Approximatel			STREET ADDRESS AND COMMON LANDA	AARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	IERE AV	AILABLE	
	LICENSE NO. WD-175	57	NAME OF LICENSED	DRILLER David Draybuck			NAME OF WELL DR Enviro		COMPANY Illing Services	
	DRILLING STAI 10/03/20	3.9. <sup>00</sup>	DRILLING ENDED 10/03/2023	DEPTH OF COMPLETED WELL (FT) 40ft	11152620100500000	le depth (FT) 40ft	DEPTH WATER FIR	st enco 18		
	COMPLETED W	ELL IS:	ARTESIAN *add Centralizer info be	DRY HOLE	ONFINED)	STATIC IN COMP (FT)	WATER LEVEL	5	DATE STATIC	
	DRILLING FLUI		T AIR ROTARY T HAMM	MUD ADDITIVES - SPE			CHECK	HERE I	F PTTLESS ADAI	PTER IS
	DEPTH (fe	et bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CONN	ASING NECTION YPE ling diameter)	CASING INSIDE DIAM. (inches)	TH	ING WALL IICKNESS (inches)	SLOT SIZE (inches)
	0	15	6	PVC	Flu	sh Joint	2		SCH 40 SCH 40	.010
	15	40	6	PVC		sh Joint	e.			
			BORE HOLE	LIST ANNULAR SEAL MATERIAL AN RANGE BY INTER	RVAL		AMOUNT (cubic feet)		METHO	
	DEPTH (fee	1.524.53	DIAM (inches)	*(if using Centralizers for Artesian wells-	- indicate the	spacing below)	(0.000 2001)		Poure	1999-000
	DEPTH (fea FROM 0	t bgl) TO l	DIAM. (inches) 6	Concrete					and the second se	
	FROM	то							Poure	
	FROM 0	TO 1	6	Concrete					Poure	

	DEPTH (	feet bgl)	1		1		ESTIMATED
	FROM	то	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WAT BEARJ (YES /	NG?	YIELD FOR WATER- BEARING ZONES (gpm)
	0	5		No Recovery	Y	0	
	5	10		Silty sand, fine-grained, brown, dry, no odor	Y	0	
	10	12.5		Silty sandy clay, brown, slightly moist, no odor	Y	0	
	12.5	18	Y				
	18	20	Y	0			
T	20	30		Silty sandy clay, light brown, very wet, no odor.	Ø	N	
4. HYDROGEOLOGIC LOG OF WELL	30	40		Sandy silty clay, light brown, very wet, no odor	Ø	N	
OF					Y	N	
DOG					Y	N	
CIC					Y	N	
)TO(					Y	N	
GEC					Y	N	
DRO				-	Y	N	
BYJ					Y	N	
4					Y	N	
					Y	N	
					Y	N	
					<del>ose ộn o</del>	EC,21	2023 pm2:11
					Y	N	
					Y	N	
	METHOD U			DF WATER-BEARING STRATA: TO BAILER OTHER – SPECIFY: W	OTAL ESTIM VELL YIELD	ATED (gpm): <b>(</b>	0,5
z	WELL TEST	TEST STAR	RESULTS - ATTA T TIME, END TIM	CH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLU E, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER	DING DISCH	ARGEN	иятнор,
NOISL	MISCELLAN		ORMATION:		·····	- 50	
ERV	MISCELLA	LOUSIN	ORMATION.			UCE	1 17 IT
SUP						S	8
RIG						mp	
TEST; RIG SUPERV		COLOR DI		ROOM STATE DOUBLED ON STE SUBERVISION OF WELL CONST	NUCTION OT	199 631	
5. TF	PRINT NAM	E(S) OF DI	GLL RIG SUPERV	ISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTR	COCHONOI	2 11	
						10CE	0
URE	CORRECT R	ECORD OI	F THE ABOVE DE	ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF SCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL REC DAYS AFTER COMPLETION OF WELL DRILLING:	, THE FOREG ORD WITH T	OING IS HE STA	A TRUE AND TE ENGINEER
6. SIGNATURE	$\mathcal{L}$	-	1 m	gloof Ouvid Draybuck	10-24		
6.		SIGNAT	URE OF DRILLER	9	I 2023 NO.	DATE	
FOR	OSE INTERN	AL USE		WR-20 WELL	RECORD & L	OG (Ver	sion 09/22/2022)
	ENOC-4	778.	POPI		76469	34	
LOC	CATION W	on	24.29	BML - 1 POD NO. PO > 1 TRN NO. 7.15.13 WELL TAG ID NO.			PAGE 2 OF 2



# APPENDIX B

Photographic Log





# APPENDIX C

Laboratory Analytical Reports & Chain of Custody Documentation



June 28, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON WTF

Enclosed are the results of analyses for samples received by the laboratory on 05/31/24 8:13.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



3C International, Inc. O. Box 805 obbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: /23,: 28-Jun-24 14:15
--	--	------------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP N@ SURFACE	H243043-01	Soil	23-May-24 09:25	31-May-24 08:13
SP E@ SURFACE	H243043-02	Soil	23-May-24 09:43	31-May-24 08:13
SP W@ SURFACE	H243043-03	Soil	23-May-24 10:06	31-May-24 08:13
SP S@ SURFACE	H243043-04	Soil	23-May-24 10:21	31-May-24 08:13
SP 1@ SURFACE	H243043-05	Soil	23-May-24 10:41	31-May-24 08:13
SP 1@1'	H243043-06	Soil	23-May-24 10:56	31-May-24 08:13
SP 1@2'	H243043-07	Soil	23-May-24 11:16	31-May-24 08:13
SP 1@3'	H243043-08	Soil	23-May-24 11:35	31-May-24 08:13
SP 1@4'	H243043-09	Soil	23-May-24 11:52	31-May-24 08:13
SP 1@5'	H243043-10	Soil	23-May-24 12:08	31-May-24 08:13
SP 2@SURFACE	H243043-11	Soil	23-May-24 12:47	31-May-24 08:13
SP 2@1'	H243043-12	Soil	23-May-24 13:08	31-May-24 08:13
SP 2@2'	H243043-13	Soil	23-May-24 13:23	31-May-24 08:13
SP 2@3'	H243043-14	Soil	23-May-24 13:37	31-May-24 08:13
SP 2@4'	H243043-15	Soil	23-May-24 13:56	31-May-24 08:13
SP 2@5'	H243043-16	Soil	23-May-24 14:16	31-May-24 08:13
SP 3@SURFACE	H243043-17	Soil	23-May-24 14:26	31-May-24 08:13
SP 3@1'	H243043-18	Soil	23-May-24 14:43	31-May-24 08:13
SP 3@2'	H243043-19	Soil	23-May-24 15:04	31-May-24 08:13
SP 3@3'	H243043-20	Soil	23-May-24 15:21	31-May-24 08:13
SP 3@4'	H243043-21	Soil	23-May-24 15:38	31-May-24 08:13
SP 3@5'	H243043-22	Soil	23-May-24 15:55	31-May-24 08:13
SP 4@SURFACE	H243043-23	Soil	24-May-24 09:30	31-May-24 08:13
SP 4@1'	H243043-24	Soil	24-May-24 09:47	31-May-24 08:13
SP 4@2'	H243043-25	Soil	24-May-24 10:11	31-May-24 08:13
SP 4@3'	H243043-26	Soil	24-May-24 10:25	31-May-24 08:13
SP 4@4'	H243043-27	Soil	24-May-24 10:42	31-May-24 08:13

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Keine

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 Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:15
SP 4@5'	H243043-28	Soil	24-May-24 11:00	31-May-24 08:13
SP 5@SURFACE	H243043-29	Soil	24-May-24 11:18	31-May-24 08:13
SP 5@1'	H243043-30	Soil	24-May-24 11:34	31-May-24 08:13
SP 5@2'	H243043-31	Soil	24-May-24 12:02	31-May-24 08:13
SP 5@3'	H243043-32	Soil	24-May-24 12:46	31-May-24 08:13
SP 6@SURFACE	H243043-33	Soil	24-May-24 13:15	31-May-24 08:13
SP 6@1'	H243043-34	Soil	24-May-24 13:38	31-May-24 08:13
SP 6@2'	H243043-35	Soil	24-May-24 14:08	31-May-24 08:13
SP 6@3'	H243043-36	Soil	24-May-24 14:31	31-May-24 08:13
SP 6@4'	H243043-37	Soil	24-May-24 14:52	31-May-24 08:13
SP 6@5'	H243043-38	Soil	24-May-24 15:14	31-May-24 08:13
SP 7@SURFACE	H243043-39	Soil	28-May-24 09:20	31-May-24 08:13
SP 7@1'	H243043-40	Soil	28-May-24 09:42	31-May-24 08:13
SP 7@2'	H243043-41	Soil	28-May-24 09:58	31-May-24 08:13
SP 7@3'	H243043-42	Soil	28-May-24 10:22	31-May-24 08:13
SP 8@SURFACE	H243043-43	Soil	28-May-24 10:47	31-May-24 08:13
SP 8@1'	H243043-44	Soil	28-May-24 11:12	31-May-24 08:13
SP 8@2'	H243043-45	Soil	28-May-24 11:37	31-May-24 08:13
SP 8@3'	H243043-46	Soil	28-May-24 12:03	31-May-24 08:13
SP 9@SURFACE	H243043-47	Soil	28-May-24 12:48	31-May-24 08:13
SP 9@1'	H243043-48	Soil	28-May-24 13:07	31-May-24 08:13
SP 9@2'	H243043-49	Soil	28-May-24 13:21	31-May-24 08:13
SP 9@3'	H243043-50	Soil	28-May-24 13:36	31-May-24 08:13
SP 10@SURFACE	H243043-51	Soil	28-May-24 13:54	31-May-24 08:13
SP 10@1'	H243043-52	Soil	28-May-24 14:12	31-May-24 08:13
SP 10@2'	H243043-53	Soil	28-May-24 14:29	31-May-24 08:13
SP 10@3'	H243043-54	Soil	28-May-24 14:41	31-May-24 08:13
SP 11@SURFACE	H243043-55	Soil	28-May-24 14:54	31-May-24 08:13
SP 11@1'	H243043-56	Soil	28-May-24 15:07	31-May-24 08:13
SP 11@2'	H243043-57	Soil	28-May-24 15:16	31-May-24 08:13

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Celeg D. Keine

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 Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:15
SP 11@3'	H243043-58	Soil	28-May-24 15:30	31-May-24 08:13
SP 12@SURFACE	H243043-59	Soil	29-May-24 09:25	31-May-24 08:13
SP 12@1'	H243043-60	Soil	29-May-24 09:42	31-May-24 08:13
SP 12@2'	H243043-61	Soil	29-May-24 10:03	31-May-24 08:13
SP 12@3'	H243043-62	Soil	29-May-24 10:19	31-May-24 08:13
SP 13@SURFACE	H243043-63	Soil	29-May-24 10:36	31-May-24 08:13
SP 13@1'	H243043-64	Soil	29-May-24 10:55	31-May-24 08:13
SP 13@2'	H243043-65	Soil	29-May-24 11:20	31-May-24 08:13
SP 13@3'	H243043-66	Soil	29-May-24 11:41	31-May-24 08:13
SP 13@4'	H243043-67	Soil	29-May-24 12:03	31-May-24 08:13
SP 13@5'	H243043-68	Soil	29-May-24 12:46	31-May-24 08:13
SP 14@SURFACE	H243043-69	Soil	29-May-24 12:53	31-May-24 08:13
SP 14@1'	H243043-70	Soil	29-May-24 13:12	31-May-24 08:13
SP 14@2'	H243043-71	Soil	29-May-24 13:27	31-May-24 08:13
SP 14@3'	H243043-72	Soil	29-May-24 13:40	31-May-24 08:13
SP 15@SURFACE	H243043-73	Soil	29-May-24 13:53	31-May-24 08:13
SP 15@1'	H243043-74	Soil	29-May-24 14:05	31-May-24 08:13
SP 15@2'	H243043-75	Soil	29-May-24 14:18	31-May-24 08:13
SP 15@3'	H243043-76	Soil	29-May-24 14:34	31-May-24 08:13
SP 16@SURFACE	H243043-77	Soil	29-May-24 14:47	31-May-24 08:13
SP 16@1'	H243043-78	Soil	29-May-24 15:01	31-May-24 08:13
SP 16@2'	H243043-79	Soil	29-May-24 15:12	31-May-24 08:13
SP 16@3'	H243043-80	Soil	29-May-24 15:25	31-May-24 08:13

06/28/24 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 06/05/24.

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 14:15			
				D SURFA 043-01 (Se							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds Chloride	32.0		16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-Cl-B		
Volatile Organic Compounds b	y EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4053132	ЛН	03-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4053132	ЛН	03-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4053132	ЛН	03-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4053132	ЛН	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			89.7 %	71.5	-134	4053132	JH	03-Jun-24	8021B		
Petroleum Hydrocarbons by G	C FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane			76.0 %	48.2	-134	4053123	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			90.5 %	49.1	-148	4053123	MS	03-Jun-24	8015B		

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241								Reported: 28-Jun-24 14:	15	
				) SURFA						
			H243	043-02 (So	)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		89.1 %	71.5	-134	4053132	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			75.1 %	48.2	-134	4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			89.2 %	49.1	-148	4053123	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	,						Reported: 28-Jun-24 14:	15		
			`	) SURF 2) 43-03 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4053132	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		89.8 %	71.5	-134	4053132	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			59.5 %	48.2	-134	4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			67.2 %	49.1	-148	4053123	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nun Project Mana	nber: 7/1 ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 14:15			
			) SURFA							
		H243	043-04 (Se	oil)						
Analyte	Result N	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardina	al Laborat	tories						
Inorganic Compounds										
Chloride	48.0	16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8021									
Benzene*	< 0.050	0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4053132	JH	03-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4053132	JH	03-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4053132	JH	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (P.	(D)	88.9 %	71.5	-134	4053132	JH	03-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane		77.7 %	48.2	-134	4053123	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane		87.2 %	49.1	-148	4053123	MS	03-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nun Project Mana	nber: 7/1 ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 14:15			
			a) SURFA							
		H243	043-05 (Se	oil)						
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardina	al Laborat	tories						
Inorganic Compounds										
Chloride	26000	16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8021									
Benzene*	< 0.050	0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060306	ЛН	03-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)	127 %	71.5	-134	4060306	JH	03-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane		91.4 %	48.2	-134	4053124	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane		84.4 %	49.1	-148	4053124	MS	03-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397					2	Reported: 28-Jun-24 14:15		
				P 1@1'						
			H243	043-06 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	5120		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	QM-07
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID	Surrogate: 4-Bromofluorobenzene (PID)		129 %	% 71.5-134		4060306	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by (	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	31.1		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	10.7		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane	Surrogate: 1-Chlorooctane		89.7 %	48.2-134		4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		83.8 %	49.1-148		4053124	MS	03-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nu Project Mar	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397				Reported: 28-Jun-24 14:15			
			SP 1@2'	.:.)						
H243043-07 (Soil)										
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardin	1al Laborat	tories						
Inorganic Compounds										
Chloride	5920	16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 802	1								
Benzene*	< 0.050	0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060306	ЈН	03-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)		123 %	3 % 71.5-134		4060306	JH	03-Jun-24	8021B		
<u>Petroleum Hydrocarbons by</u>	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane		82.2 %	48.2	48.2-134		MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane		76.7 %	49.1	49.1-148		MS	03-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: ?8-Jun-24 14:	15
				P 1@3'						
			H243	043-08 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	5120		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		122 %	71.5	-134	4060306	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			97.7 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			92.4 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1. ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				<b>P 1@4'</b>						
			H243	043-09 (Se	)))					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	5600		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		128 %	71.5	-134	4060306	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			84.3 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			77.9 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 1@5'						
			H243	043-10 (So	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7840		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		120 %	71.5	-134	4060306	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			84.5 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			77.2 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
			0	)SURFA 043-11 (So						
			112-15	, , , , , , , , , , , , , , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	52000		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		122 %	71.5	-134	4060306	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	31.6		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			77.3 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			71.9 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 2@1' 043-12 (So	,il)					
			112430	545-12 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	6320		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		121 %	71.5	-134	4060306	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			83.3 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			76.8 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22,	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 2@2' )43-13 (So	,iI)					
			112430	J4J-1J (SC	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7760		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		116 %	71.5	-134	4060306	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			85.5 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			82.0 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 2@3'						
			H2430	)43-14 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	6080		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		117 %	71.5	-134	4060306	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.4 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			85.2 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 14:	15
				P 2@4'						
			H243	043-15 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7200		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		115 %	71.5	-134	4060306	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			85.9 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			81.1 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1. ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 2@5'						
			H243	)43-16 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7200		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЈН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		120 %	71.5	-134	4060306	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			88.9 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			83.6 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
			0	)SURFA						
			112430	<b>11-0-1</b> 7 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	62400		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		114 %	71.5	-134	4060306	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	488		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	166		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			70.7 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			69.3 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 3@1' 043-18 (So	,i)					
			112430	545-10 (50	<i>)</i> 11 <i>)</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	8320		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		117 %	71.5	-134	4060306	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			85.8 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			81.2 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 3@2'						
			H243	043-19 (So	01 <b>1</b> )					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
<u>Inorganic Compounds</u> Chloride	7200		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		112 %	71.5	-134	4060306	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			87.1 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			81.2 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

#### **Cardinal Laboratories**

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397								
			SP 3@3' 3043-20 (So	,i)					
		1124	3043-20 (30	)II)					1
Analyte	Result	MDL Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardii	nal Laborat	ories					
Inorganic Compounds									
Chloride	3840	16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	1							
Benzene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060306	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)	112 %	71.5	-134	4060306	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane		85.3 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		79.7 %	<i>49.1</i>	-148	4053124	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241									Reported: 28-Jun-24 14:	15
				P 3@4'						
			H243	043-21 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	6400		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		116 %	71.5	-134	4060306	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.4 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			84.8 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397								
			SP 3@5' 043-22 (So	,i)					
		П243	043-22 (30	)11)					
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardina	al Laborat	ories					
Inorganic Compounds									
Chloride	3680	16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8021	1							
Benzene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)	114 %	71.5	-134	4060306	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane		88.6 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		84.5 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:         CEDAR CANYON WTF         Reported:           Project Number:         7/15/22,7/22/22,8/25/22,2/25/23,:         28-Jun-24 14:15           Project Manager:         Cliff Brunson         Fax To:         (575) 397-0397								15	
				) SURFA 043-23 (So						
			11243	043-23 (30	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	80800		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	ЈН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Ph	ID)		114 %	71.5	-134	4060306	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	26.6		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			69.0 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			63.8 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
				P 4@1'						
			H243	)43-24 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	8240		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060306	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		112 %	71.5	-134	4060306	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			88.0 %	48.2	-134	4053124	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			83.7 %	49.1	-148	4053124	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
				P 4@2' )43-25 (So	<b>5</b> 1)					
			П2430	143-23 (80	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	9400		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		106 %	71.5	-134	4060307	ЈН	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			92.5 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			90.1 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397								15	
			S	P 4@3'						
			H243	)43-26 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	9860		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		105 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			96.7 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			92.4 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:12Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
				P 4@4'						
			H2430	)43-27 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	8800		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	ЛН	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		106 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			102 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14Project Manager:Cliff BrunsonFax To:(575) 397-0397								Reported: 28-Jun-24 14:	15
				P 4@5'						
			H243	)43-28 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	7730		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		105 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			83.6 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			83.5 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
			0	)SURFA )43-29 (So						
			112-10	<b>10 2</b> ) (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		106 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			65.1 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			58.2 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:*Project Manager:Cliff BrunsonFax To:(575) 397-0397								15	
				P 5@1'	.1)					
			H2430	043-30 (So	)))					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1120		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		105 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			73.7%	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			72.4 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:Project Manager:Cliff BrunsonFax To:(575) 397-0397								15	
				P 5@2'						
			H243	043-31 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	720		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		106 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			72.5 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			71.1 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 5@3'						
			H243(	)43-32 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	800		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	ЈН	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		106 %	71.5	-134	4060307	ЈН	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			74.0 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			69.5 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			ect Numbe ect Manage	r: 7/1! r: Cliff	DAR CANYO 5/22,7/22/2 Brunson 5) 397-0392	2,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
			SP 6@S H243043							
			112 100 10	, <b>66</b> (St	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL L	orting imit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardinal L	aborat	tories					
Inorganic Compounds										
Chloride	40800	1	6.0 r	ng/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1								
Benzene*	< 0.050	0.	050 r	ng/kg	50	4060307	ЛН	04-Jun-24	8021B	
Toluene*	< 0.050	0.	050 r	ng/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.	050 r	ng/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150	0.	150 r	ng/kg	50	4060307	ЛН	04-Jun-24	8021B	
Total BTEX	< 0.300	0.	300 r	ng/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	D)		103 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	1	0.0 r	ng/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	52.4	1	0.0 r	ng/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	1	0.0 r	ng/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			58.1 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			58.9 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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\*=Accredited Analyte

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 6@1'	- 30					
			H243	)43-34 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	4480		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	ЛН	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	ЛН	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	ЛН	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.6 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			74.1 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			72.4 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

#### **Cardinal Laboratories**

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22,	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 6@2'	<b>.</b> 9)					
			H243	043-35 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1120		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
<b>Volatile Organic Compounds</b>	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		101 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			70.6 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			70.3 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				SP 6@3'	.9)					
			H243	043-36 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1040		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	ЈН	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		101 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			80.0 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			78.4 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 6@4'						
			H243	043-37 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	832		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		99.2 %	71.5	-134	4060307	ЈН	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.0 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			89.8 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 6@5'						
			H243	)43-38 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	ЈН	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		99.4 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			94.0 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			93.6 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
			0	)SURFA )43-39 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds			16.0			40 (0 410		04.1 04	4500 CL D	
Chloride	4480		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		100 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			85.7 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			86.4 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22,	2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 7@1'						
			H2430	)43-40 (So	01 <b>1</b> )					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	352		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	ЛН	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	ЛН	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		100 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			83.8 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			84.4 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:15				
				P 7@2'	.9)								
			П2430	)43-41 (So	)11)								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardina	l Laborat	ories								
Inorganic Compounds													
Chloride	240		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B				
<b>Volatile Organic Compounds</b>	by EPA Method 8	8021											
Benzene*	< 0.050		0.050	mg/kg	50	4060307	ЛН	04-Jun-24	8021B				
Toluene*	< 0.050		0.050	mg/kg	50	4060307	ЛН	04-Jun-24	8021B				
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B				
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	ЛН	04-Jun-24	8021B				
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	ЛН	04-Jun-24	8021B				
Surrogate: 4-Bromofluorobenzene (PIL	))		96.2 %	71.5	-134	4060307	ЛН	04-Jun-24	8021B				
Petroleum Hydrocarbons by	GC FID												
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B				
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B				
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B				
Surrogate: 1-Chlorooctane			79.9 %	48.2	-134	4053125	MS	03-Jun-24	8015B				
Surrogate: 1-Chlorooctadecane			80.8 %	49.1	-148	4053125	MS	03-Jun-24	8015B				

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 7@3'						
			H2430	043-42 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		<i>97.3 %</i>	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			78.4 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			79.2 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				) SURFA 043-43 (So						
			11240	010 10 (50	,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1800		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	ЛН	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		101 %	71.5	-134	4060307	JH	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			73.6%	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			77.5 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
				P 8@1' 043-44 (So	,i)					
			112430	545-44 (50	<i>)</i> 11 <i>)</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060307	JH	04-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		101 %	71.5	-134	4060307	ЛН	04-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			96.3 %	48.2	-134	4053125	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	4053125	MS	03-Jun-24	8015B	

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
				P 8@2'						
			H243	043-45 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.4 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			85.6 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			79.0 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 8@3'						
			H243	043-46 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		98.8 %	71.5	-134	4060308	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			94.0 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			88.0 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
			0	)SURFA )43-47 (So						
			112450	<b>J-J-</b> - (30	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	2720		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		99.0 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	276		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	205		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			88.7 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			79.6 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 9@1'						
			H2430	)43-48 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	336		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		99.1 %	71.5	-134	4060308	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			81.0 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			74.6 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
			S	P 9@2'						
			H243	043-49 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		99.6 %	71.5	-134	4060308	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			86.4 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			80.6 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
				P 9@3'						
			H243	043-50 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	336		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		98.6 %	71.5	-134	4060308	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.0 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			82.6 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

### **Cardinal Laboratories**

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
			<b>SP 10</b> (	<b>a</b> SURFA	CE					
			H243	043-51 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds Chloride	2560		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds		91	10.0	ing/kg	7	4000424	IIIvi	04-Juli-24	4300-01-0	
Benzene*	<0.050	1	0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		99.0 %	71.5	-134	4060308	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			77.9%	48.2	-134	4053126	MS	03-Jun-24	8015B	_
Surrogate: 1-Chlorooctadecane			72.9 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

### Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397									15
				P 10@1'						
			H2430	)43-52 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		96.2 %	71.5	-134	4060308	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	54.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	37.2		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			79.3 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			71.8 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:         CEDAR CANYON WTF         Reported:           Project Number:         7/15/22,7/22/22,8/25/22,2/25/23,:         28-Jun-24 14:15           Project Manager:         Cliff Brunson         Fax To:         (575) 397-0397									15
				P 10@2'	.:.)					
			П243	043-53 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.3 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
<u>Petroleum Hydrocarbons by</u>	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			76.1 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			69.2 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 10@3'						
			H243	043-54 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
<u>Inorganic Compounds</u> Chloride	160		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		98.5 %	71.5	-134	4060308	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			93.1 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			85.6 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14:15Project Manager:Cliff BrunsonFax To:(575) 397-0397								
		SP 11(	@SURFA	CE					
		H243	043-55 (So	oil)					
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardin	al Laborat	tories					
Inorganic Compounds									
Chloride	6720	16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8021								
Benzene*	< 0.050	0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)	98.6 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane		93.2 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		86.2 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			roject Num oject Mana	nber: 7/1: ager: Cliff	AR CANYO 5/22,7/22/2 Brunson 5) 397-039	22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 11@1'	.:1)					
			H243	043-56 (So	)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	))		97.9 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			95.6 %	48.2	-134	4053126	MS	03-Jun-24	8015B	_
Surrogate: 1-Chlorooctadecane			92.1 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 11@2'	<b>,</b> : <b>1</b> )					
			H243	043-57 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	448		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		98.7 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
<u>Petroleum Hydrocarbons by</u>	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			93.2 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			85.1 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 11@3'						
			H243	043-58 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		99.2 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			94.0 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			85.8 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		,2/25/23,:	Reported: 28-Jun-24 14:15			
				@SURFA						
			H243	043-59 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	5120		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.0 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	3670		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			81.7 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			124 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:CEDAR CANYON WTFReporteProject Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24Project Manager:Cliff BrunsonFax To:(575) 397-0397								
			P 12@1'							
		H243	6043-60 (Se	)))						
Analyte	Result	MDL Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardin	al Laborat	tories						
Inorganic Compounds										
Chloride	752	16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8021									
Benzene*	< 0.050	0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4060308	ЛН	03-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060308	ЈН	03-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060308	ЛН	03-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4060308	ЛН	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)	97.2 %	71.5	-134	4060308	ЈН	03-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B		
DRO >C10-C28*	149	10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane		86.4 %	48.2	-134	4053126	MS	03-Jun-24	8015B	_	
Surrogate: 1-Chlorooctadecane		82.3 %	49.1	-148	4053126	MS	03-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 12@2'						
			H243	043-61 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	608		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	ЈН	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	ЈН	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	ЈН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		98.8 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			96.3 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			89.0 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 12@3'						
			H243	043-62 (So	01 <b>1</b> )					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		98.0 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			88.7 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			80.5 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: 24 Project Manager: Cliff Brunson Fax To: (575) 397-0397									15
				@SURFA						
			H243	043-63 (Se	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds						10.00.00.0				
Chloride	9200		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	ЈН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		97.2 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			88.6 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			81.9 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 13@1'	. <b>:</b> )					
			H243	043-64 (So	)))					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	3360		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060308	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060308	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		94.1 %	71.5	-134	4060308	JH	03-Jun-24	8021B	
<u>Petroleum Hydrocarbons by</u>	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			69.1 %	48.2	-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			62.6 %	49.1	-148	4053126	MS	03-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 13@2'						
			H243	043-65 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	3760		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		107 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			82.6 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			91.1 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				• 13@3' )43-66 (Se	vil)					
			112430	<b>545-00</b> (50	лт <i>у</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1710		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	ЈН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		109 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.2 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			97.7 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 13@4'	.1)					
			H243	043-67 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		109 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			82.1 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			90.6 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 13@5'						
			H243	)43-68 (So	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		108 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			100 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1. ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
			<b>SP 14</b> (	<b>a</b> SURFA	CE					
			H243	043-69 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	384		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		107 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			67.4 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			72.3 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 14@1'						
			H243	043-70 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds	102		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Chloride	192		16.0	шу/ку	4	4000343	AC	04-Jun-24	4300-СІ-В	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		106 %	71.5	-134	4060309	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			91.6 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			98.0 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: 28 Project Manager: Cliff Brunson Fax To: (575) 397-0397									15
				P 14@2'						
			H243	043-71 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	ЛН	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		107 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			94.1 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397						Reported: 28-Jun-24 14:15		
			S	P 14@3'							
			H243	043-72 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Inorganic Compounds											
Chloride	64.0		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 80	21									
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	ЛН	03-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (P.	ID)		106 %	71.5	-134	4060309	ЈН	03-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane			102 %	48.2	-134	4060302	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			111 %	49.1-	-148	4060302	MS	03-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		Reported: 28-Jun-24 14:15				
			<b>SP 15</b> (	@SURFA	CE					
			H243	043-73 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
<u>Inorganic Compounds</u> Chloride	656		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		108 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			99.4 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397						Reported: 28-Jun-24 14:15		
			S	P 15@1'							
			H243	043-74 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ıl Laborat	ories						
Inorganic Compounds Chloride	320		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B		
Volatile Organic Compound		21	1010	00							
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060309	ЛН	03-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PL	ID)		108 %	71.5	-134	4060309	ЈН	03-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane			104 %	48.2	-134	4060302	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			113 %	49.1	-148	4060302	MS	03-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397						Reported: 28-Jun-24 14:15		
			S	P 15@2'							
			H243	043-75 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ıl Laborat	ories						
Inorganic Compounds Chloride	272		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 802	21									
Benzene*	< 0.050		0.050	mg/kg	50	4060309	ЛН	03-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060309	ЛН	03-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	ЛН	03-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		107 %	71.5	-134	4060309	JH	03-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctane			109 %	48.2	-134	4060302	MS	03-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4060302	MS	03-Jun-24	8015B		

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFRepoProject Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-JunProject Manager:Cliff BrunsonFax To:(575) 397-0397									15
			SI	P 15@3'						
			H2430	)43-76 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	4720		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	ЈН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		107 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	42.8		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	43.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			92.4 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			99.9 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

### Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nur Project Man		5/22,7/22/2 Brunson	Reported: 28-Jun-24 14:15				
		SP 16	@SURFA	CE					
		H243	3043-77 (Se	oil)					
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardin	al Laborat	ories					
Inorganic Compounds									
Chloride	4880	16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1							
Benzene*	< 0.050	0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060309	ЛН	03-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060309	ЈН	03-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060309	ЈН	03-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060309	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)	105 %	71.5	-134	4060309	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	38.9	10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	44.9	10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane		78.6 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		85.8 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Nun Project Mana	nber: 7/1! ager: Cliff		Reported: 28-Jun-24 14:15				
			S	P 16@1'						
			H243	043-78 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	768		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		106 %	71.5	-134	4060309	ЛН	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1. iger: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 14:15		
				P 16@2'						
			H243	043-79 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	496		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID	))		106 %	71.5	-134	4060309	ЈН	03-Jun-24	8021B	
Petroleum Hydrocarbons by (	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			86.0 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			92.8 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	15
				P 16@3'	- 31)					
			H243	043-80 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	640		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060309	ЛН	03-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060309	JH	03-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060309	ЛН	03-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060309	ЛН	03-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		105 %	71.5	-134	4060309	JH	03-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			114 %	49.1	-148	4060302	MS	03-Jun-24	8015B	

## **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805	Project Number:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,:	Reported: 28-Jun-24 14:15
Hobbs NM, 88241	Project Manager:	Cliff Brunson	
	Fax To:	(575) 397-0397	

## **Inorganic Compounds - Quality Control**

		Cardir	nal Lab	oratories						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060336 - 1:4 DI Water										
Blank (4060336-BLK1)				Prepared &	Analyzed:	03-Jun-24				
Chloride	ND	16.0	mg/kg							
LCS (4060336-BS1)				Prepared &	Analyzed:	03-Jun-24				
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (4060336-BSD1)				Prepared &	Analyzed:	03-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120	7.41	20	
Batch 4060343 - 1:4 DI Water										
Blank (4060343-BLK1)				Prepared &	Analyzed:	03-Jun-24				
Chloride	ND	16.0	mg/kg							
LCS (4060343-BS1)				Prepared &	Analyzed:	03-Jun-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4060343-BSD1)				Prepared &	Analyzed:	03-Jun-24				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 4060419 - 1:4 DI Water										
Batch 4060419 - 1:4 DI Water Blank (4060419-BLK1)				Prepared &	Analyzed:	04-Jun-24				
	ND	16.0	mg/kg	Prepared &	Analyzed:	04-Jun-24				
Blank (4060419-BLK1)	ND	16.0	mg/kg	Prepared & Prepared &						

## **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

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: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397				Reported: 28-Jun-24 14:15					
	Inor	-	-	- Quality ( oratories	Control					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060419 - 1:4 DI Water										
LCS Dup (4060419-BSD1)				Prepared &	Analyzed:	04-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 4060423 - 1:4 DI Water										
Blank (4060423-BLK1)				Prepared &	Analyzed:	04-Jun-24				
Chloride	ND	16.0	mg/kg							
LCS (4060423-BS1)				Prepared &	Analyzed:	04-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4060423-BSD1)				Prepared &	Analyzed:	04-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 4060424 - 1:4 DI Water										
Blank (4060424-BLK1)				Prepared &	Analyzed:	04-Jun-24				
Chloride	ND	16.0	mg/kg							
LCS (4060424-BS1)				Prepared &	Analyzed:	04-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4060424-BSD1)				Prepared &	Analyzed:	04-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



P.O. Box 805         Project Number: //15/22,//22/22,8/25/22,2/25/23,.         26-Juli-24 14.1           Hobbs NM, 88241         Project Manager: Cliff Brunson         Fax To: (575) 397-0397	BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Reported: 5/23,: 28-Jun-24 14:15
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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
Batch 4053132 - Volatiles					<u>_</u>					
Blank (4053132-BLK1)				Prepared: 3	51-May-24	Analyzed:	)3-Jun-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		88.2	71.5-134			
LCS (4053132-BS1)				Prepared: 3	51-May-24	Analyzed:	)3-Jun-24			
Benzene	1.79	0.050	mg/kg	2.00		89.5	82.8-130			
Toluene	1.79	0.050	mg/kg	2.00		89.6	86-128			
Ethylbenzene	1.84	0.050	mg/kg	2.00		92.0	85.9-128			
m,p-Xylene	3.57	0.100	mg/kg	4.00		89.3	89-129			
o-Xylene	1.75	0.050	mg/kg	2.00		87.7	86.1-125			
Total Xylenes	5.33	0.150	mg/kg	6.00		88.8	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0460		mg/kg	0.0500		92.1	71.5-134			
LCS Dup (4053132-BSD1)				Prepared: 3	1-May-24	Analyzed:	)3-Jun-24			
Benzene	1.72	0.050	mg/kg	2.00		86.0	82.8-130	4.05	15.8	
Toluene	1.72	0.050	mg/kg	2.00		86.0	86-128	4.00	15.9	
Ethylbenzene	1.76	0.050	mg/kg	2.00		87.9	85.9-128	4.62	16	
m,p-Xylene	3.39	0.100	mg/kg	4.00		84.8	89-129	5.16	16.2	BS
o-Xylene	1.68	0.050	mg/kg	2.00		84.1	86.1-125	4.23	16.7	BS
Total Xylenes	5.07	0.150	mg/kg	6.00		84.6	88.2-128	4.85	16.3	BS
Surrogate: 4-Bromofluorobenzene (PID)	0.0448		mg/kg	0.0500		89.5	71.5-134			

## Batch 4060306 - Volatiles

Blank (4060306-BLK1)			Prepared & Analyzed: 03-Jun-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

## Cardinal Laboratories

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: 7 Project Manager: 0	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:15
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060306 - Volatiles										
Blank (4060306-BLK1)				Prepared &	Analyzed:	03-Jun-24				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0626		mg/kg	0.0500		125	71.5-134			
LCS (4060306-BS1)				Prepared &	Analyzed:	03-Jun-24				
Benzene	1.58	0.050	mg/kg	2.00		79.1	82.8-130			BS-3
Toluene	1.82	0.050	mg/kg	2.00		91.1	86-128			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.07	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.21	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0625		mg/kg	0.0500		125	71.5-134			
LCS Dup (4060306-BSD1)				Prepared &	Analyzed:	03-Jun-24				
Benzene	1.53	0.050	mg/kg	2.00		76.7	82.8-130	3.15	15.8	BS-3
Toluene	1.76	0.050	mg/kg	2.00		87.9	86-128	3.67	15.9	
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.5	85.9-128	2.91	16	
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	89-129	2.60	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		101	86.1-125	2.63	16.7	
Total Xylenes	6.05	0.150	mg/kg	6.00		101	88.2-128	2.61	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0632		mg/kg	0.0500		126	71.5-134			
Batch 4060307 - Volatiles										
Blank (4060307-BLK1)				Prepared: (	)3-Jun-24 A	analyzed: 0	4-Jun-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)	0.0550		mg/kg	0.0500		110	71.5-134			

## **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: 7 Project Manager: 0	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:15
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories	5

A		Reporting	IT '/	Spike	Source	0/850	%REC	DDD	RPD Limit	ът.	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch 4060307 - Volatiles											
LCS (4060307-BS1)				Prepared: 0	3-Jun-24 A	nalyzed: 0	4-Jun-24				
Benzene	2.02	0.050	mg/kg	2.00		101	82.8-130				
Toluene	2.07	0.050	mg/kg	2.00		103	86-128				
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	85.9-128				
m,p-Xylene	4.09	0.100	mg/kg	4.00		102	89-129				
o-Xylene	2.07	0.050	mg/kg	2.00		104	86.1-125				
Total Xylenes	6.17	0.150	mg/kg	6.00		103	88.2-128				
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.7	71.5-134				
LCS Dup (4060307-BSD1)	Prepared: 03-Jun-24 Analyzed: 04-Jun-24										
Benzene	2.03	0.050	mg/kg	2.00		102	82.8-130	0.634	15.8		
Toluene	2.12	0.050	mg/kg	2.00		106	86-128	2.31	15.9		
Ethylbenzene	2.15	0.050	mg/kg	2.00		108	85.9-128	2.57	16		
m,p-Xylene	4.20	0.100	mg/kg	4.00		105	89-129	2.66	16.2		
o-Xylene	2.14	0.050	mg/kg	2.00		107	86.1-125	3.06	16.7		
Total Xylenes	6.34	0.150	mg/kg	6.00		106	88.2-128	2.80	16.3		
Surrogate: 4-Bromofluorobenzene (PID)	0.0501		mg/kg	0.0500		100	71.5-134				
Batch 4060308 - Volatiles											
Blank (4060308-BLK1)				Prepared &	Analyzed:	03-Jun-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		98.1	71.5-134				

## **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: 7 Project Manager: 0	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:15
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

<b>Cardinal Laboratories</b>
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060308 - Volatiles										
LCS (4060308-BS1)				Prepared &	Analyzed:	03-Jun-24				
Benzene	1.70	0.050	mg/kg	2.00		85.1	82.8-130			
Toluene	1.71	0.050	mg/kg	2.00		85.5	86-128			BS-3
Ethylbenzene	1.63	0.050	mg/kg	2.00		81.6	85.9-128			BS-3
m,p-Xylene	3.28	0.100	mg/kg	4.00		81.9	89-129			BS-3
o-Xylene	1.80	0.050	mg/kg	2.00		90.2	86.1-125			
Total Xylenes	5.08	0.150	mg/kg	6.00		84.7	88.2-128			BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.6	71.5-134			
LCS Dup (4060308-BSD1)				Prepared &	Analyzed:	03-Jun-24				
Benzene	1.61	0.050	mg/kg	2.00		80.3	82.8-130	5.87	15.8	BS-3
Toluene	1.66	0.050	mg/kg	2.00		82.9	86-128	3.09	15.9	BS-3
Ethylbenzene	1.61	0.050	mg/kg	2.00		80.3	85.9-128	1.62	16	BS-3
m,p-Xylene	3.23	0.100	mg/kg	4.00		80.8	89-129	1.42	16.2	BS-3
o-Xylene	1.79	0.050	mg/kg	2.00		89.5	86.1-125	0.847	16.7	
Total Xylenes	5.02	0.150	mg/kg	6.00		83.7	88.2-128	1.21	16.3	BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0485		mg/kg	0.0500		97.0	71.5-134			
Batch 4060309 - Volatiles										
Blank (4060309-BLK1)				Prepared &	Analyzed:	03-Jun-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)	0.0543		mg/kg	0.0500		109	71.5-134			

## Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 28-Jun-24 14:15
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

# **Cardinal Laboratories**

		D		<b>G</b> 1	a		MARC			
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060309 - Volatiles										
LCS (4060309-BS1)				Prepared &	Analyzed:	03-Jun-24				
Benzene	1.77	0.050	mg/kg	2.00		88.3	82.8-130			
Toluene	1.88	0.050	mg/kg	2.00		94.0	86-128			
Ethylbenzene	1.88	0.050	mg/kg	2.00		93.9	85.9-128			
n,p-Xylene	3.98	0.100	mg/kg	4.00		99.5	89-129			
p-Xylene	1.86	0.050	mg/kg	2.00		92.9	86.1-125			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	71.5-134			
LCS Dup (4060309-BSD1)				Prepared &	Analyzed:	03-Jun-24				
Benzene	1.72	0.050	mg/kg	2.00		86.0	82.8-130	2.68	15.8	
foluene	1.89	0.050	mg/kg	2.00		94.4	86-128	0.429	15.9	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.1	85.9-128	2.38	16	
n,p-Xylene	4.07	0.100	mg/kg	4.00		102	89-129	2.13	16.2	
p-Xylene	1.91	0.050	mg/kg	2.00		95.5	86.1-125	2.73	16.7	
Total Xylenes	5.98	0.150	mg/kg	6.00		99.6	88.2-128	2.32	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:15
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# Petroleum Hydrocarbons by GC FID - Quality Control

<b>Cardinal La</b>	boratories
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes			
Batch 4053123 - General Prep - Organics													
Blank (4053123-BLK1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24						
GRO C6-C10	ND	10.0	mg/kg		5	-							
DRO >C10-C28	ND	10.0	mg/kg										
EXT DRO >C28-C36	ND	10.0	mg/kg										
Surrogate: 1-Chlorooctane	46.3		mg/kg	50.0		92.6	48.2-134						
Surrogate: 1-Chlorooctadecane	56.6		mg/kg	50.0		113	49.1-148						
LCS (4053123-BS1)		Prepared: 31-May-24 Analyzed: 03-Jun-24											
GRO C6-C10	202	10.0	mg/kg	200		101	66.4-123						
DRO >C10-C28	197	10.0	mg/kg	200		98.6	66.5-118						
Total TPH C6-C28	399	10.0	mg/kg	400		99.8	77.6-123						
Surrogate: 1-Chlorooctane	57.0		mg/kg	50.0		114	48.2-134						
Surrogate: 1-Chlorooctadecane	69.2		mg/kg	50.0		138	49.1-148						
LCS Dup (4053123-BSD1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24						
GRO C6-C10	197	10.0	mg/kg	200		98.6	66.4-123	2.43	17.7				
DRO >C10-C28	187	10.0	mg/kg	200		93.4	66.5-118	5.47	21				
Total TPH C6-C28	384	10.0	mg/kg	400		96.0	77.6-123	3.92	18.5				
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0		116	48.2-134						
Surrogate: 1-Chlorooctadecane	70.2		mg/kg	50.0		140	49.1-148						
Batch 4053124 - General Prep - Organics													
Blank (4053124-BLK1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24						
GRO C6-C10	ND	10.0	mg/kg										

Dialik (1000121 DEIKI)				Trepured. 51 Mid	ij 217 marjžea. (	55 5 dil 21	
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	45.5		mg/kg	50.0	91.1	48.2-134	
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0	85.2	49.1-148	

## Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



P.C	C International, Inc. D. Box 805 bbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:15	
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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
Batch 4053124 - General Prep - Organics										
LCS (4053124-BS1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24			
GRO C6-C10	199	10.0	mg/kg	200	5	99.4	66.4-123			
DRO >C10-C28	205	10.0	mg/kg	200		103	66.5-118			
Total TPH C6-C28	404	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.8	48.2-134			
Surrogate: 1-Chlorooctadecane	45.7		mg/kg	50.0		91.4	49.1-148			
LCS Dup (4053124-BSD1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24			
GRO C6-C10	199	10.0	mg/kg	200		99.5	66.4-123	0.112	17.7	
DRO >C10-C28	209	10.0	mg/kg	200		105	66.5-118	1.99	21	
Total TPH C6-C28	408	10.0	mg/kg	400		102	77.6-123	1.07	18.5	
Surrogate: 1-Chlorooctane	51.1		mg/kg	50.0		102	48.2-134			
Surrogate: 1-Chlorooctadecane	47.8		mg/kg	50.0		95.6	49.1-148			
Batch 4053125 - General Prep - Organics										
Blank (4053125-BLK1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-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	52.2		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	49.1-148			
LCS (4053125-BS1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24			
GRO C6-C10	206	10.0	mg/kg	200		103	66.4-123			
DRO >C10-C28	186	10.0	mg/kg	200		93.1	66.5-118			
Total TPH C6-C28	393	10.0	mg/kg	400		98.1	77.6-123			
Surrogate: 1-Chlorooctane	58.8		mg/kg	50.0		118	48.2-134			

## Cardinal Laboratories

## \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 28-Jun-24 14:15
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## Petroleum Hydrocarbons by GC FID - Quality Control

## **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4053125 - General Prep - Organics										
LCS Dup (4053125-BSD1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24			
GRO C6-C10	206	10.0	mg/kg	200		103	66.4-123	0.198	17.7	
DRO >C10-C28	182	10.0	mg/kg	200		91.2	66.5-118	2.13	21	
Total TPH C6-C28	388	10.0	mg/kg	400		97.1	77.6-123	1.11	18.5	
Surrogate: 1-Chlorooctane	60.4		mg/kg	50.0		121	48.2-134			
Surrogate: 1-Chlorooctadecane	61.2		mg/kg	50.0		122	49.1-148			
Batch 4053126 - General Prep - Organics										
Blank (4053126-BLK1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-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	49.2		mg/kg	50.0		98.4	48.2-134			
Surrogate: 1-Chlorooctadecane	46.2		mg/kg	50.0		92.3	49.1-148			
LCS (4053126-BS1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24			
GRO C6-C10	199	10.0	mg/kg	200		99.7	66.4-123			
DRO >C10-C28	203	10.0	mg/kg	200		102	66.5-118			
Total TPH C6-C28	403	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	48.2-134			
Surrogate: 1-Chlorooctadecane	50.5		mg/kg	50.0		101	49.1-148			
LCS Dup (4053126-BSD1)				Prepared: 3	31-May-24	Analyzed:	03-Jun-24			
GRO C6-C10	203	10.0	mg/kg	200		101	66.4-123	1.64	17.7	
DRO >C10-C28	198	10.0	mg/kg	200		98.8	66.5-118	2.88	21	
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123	0.618	18.5	
Surrogate: 1-Chlorooctane	55.6		mg/kg	50.0		111	48.2-134			
Surrogate: 1-Chlorooctadecane	54.8		mg/kg	50.0		110	49.1-148			

### Cardinal Laboratories

## \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/2 Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 22,2/25/23,: 28-Jun-24 14:15
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# Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060302 - General Prep - Organics										
Blank (4060302-BLK1)				Prepared &	Analyzed:	03-Jun-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	47.7		mg/kg	50.0		95.3	48.2-134			
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0		104	49.1-148			
LCS (4060302-BS1)				Prepared &	Analyzed:	03-Jun-24				
GRO C6-C10	182	10.0	mg/kg	200		91.0	66.4-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.3	66.5-118			
Total TPH C6-C28	375	10.0	mg/kg	400		93.7	77.6-123			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	53.9		mg/kg	50.0		108	49.1-148			
LCS Dup (4060302-BSD1)				Prepared &	Analyzed:	03-Jun-24				
GRO C6-C10	190	10.0	mg/kg	200		95.0	66.4-123	4.26	17.7	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	7.71	21	
Total TPH C6-C28	398	10.0	mg/kg	400		99.5	77.6-123	6.05	18.5	
Surrogate: 1-Chlorooctane	54.0		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	58.1		mg/kg	50.0		116	49.1-148			

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 2/10/2025 8:13:51 AM

Address: P.O. Box 805	Box 805		Company: Oxy		_			
city: Hobbs	State: NM	1 Zip: 88241	Attn:					
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:					
Project #:	Project Owner: Oxy	ner: Oxy	City:					
Project Name: C	Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)		State: Zip:			_		
Project Location:	: New Mexico	* 10/04/23	Phone #:		le	_		
Sampler Name:	SIMON RENDAN		Fax #:		0	7		
FOR LAB USE ONLY			PRESERV. SAMPLING	LING	m	ΕX		
Lab I.D.	Sample I.D.	(G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME	Shle	TPH		
1-10-1	SP N@ SURFACE	- <		9:25AM	<	1		
2	SP E@ SURFACE	1	5/23/24	9:43AM	<	1		
s	SP W@SURFACE		5/23/24	10:06AM	<			
9	SP S@SURFACE		5/23/24	10:21AM		1		
v	SP 1@SURFRACE		5/23/24		<	• •		
6	SP 1@1'		5/23/24		<			
L	SP 1@2'		5/23/24	11:16AM	<			
A	SP 1@3'		5/23/24	11:35AM	<			
Q	SP 1@4'		5/23/24	11:52AM	<	• •		
PLEASE NOTE: Liability an	SP 1@5' a Damages. Cardinal's liability and client's exclusive remed	for any claim arising whether based in contract or tort, shall be	t or tort, shall be limited to the amount	12:08PM paid by the client for the	È	4 4		
PLEASE NOTE: Liability an analyses. All claims includin service in no event shall Ca affiliates or successors arisin	PLEASE MOTE: Liability and Damages. Catatoriat hability and center sectors of enrody or any scalar source on source or non-owner or you converse on a special term of the applicable maynes. All claims including those for negligance and any other cause whatsoere shall be deemed unless made in intring and received by Cardinal within 30 days after competion of the applicable service. In no event shall Cardinal be liable for incidental or connegurinal damages, including without initiation, business interruptions, forsi of unit, or loss of profits incurred by claims, it is ubbidiates, service in no event shall Cardinal be liable for incidental or connegurinal damages, including without initiation, business interruptions, forsi of unit, or loss of profits incurred by claims, it is subsidiates, affiliates or succession savisor out or trained to the enformance of envices hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise.	ris exclusive temety to any caam assaid windher base in contract, oner or more or more or any or or control war asse whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after composition of the a punnal damages, including without lenation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaritie of services hareunder by Cardinal, reparaless of whicher such claim is based upon any of the above stated reasons or otherwise.	a or tort, shall be unlied to air announce of received by Cardinal within 30 days loss of use, or loss of profits incurred is based upper any of the above stated	after completion of the by client, its subsidiariti freasons or otherwise	applicable			
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+ Cardinal	Cardinal cannot accent verbal channes. Please fax written channes to 505-393-2476	ass fay written channes to	505-393-2476					

Project Manager: Cliff Brunson

P.O. #:

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.

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

Releas

19 SP 3@2'	5/23/24	3:04PM v v v
7.) SP 3@3'	5/23/24	3:21PM v v v
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Sampler - UPS - Bus - Other:		Changes to 6/26/24

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SP 2@2' SP 2@3'

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284

SP 2@SURAFCE

SP 2@1'

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP # CONTAINERS

> GROUNDWATER WASTEWATER

SOIL OIL SLUDGE

OTHER

DATE

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ACID/BASE:

ICE / COOL OTHER

city: Hobbs

Phone #: 575-397-6388

Project #:

Project Manager: Cliff Brunson

Company Name: BBC International, Inc

101 East Marland, Hobbs, NM 88240

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

Address: P.O. Box 805

Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)

10/04/23

State: Phone #:

Zip:

0

City:

MATRIX

PRESERV

SAMPLING

10/

Fax #:

Project Owner: Oxy

Fax #: State: NM

575-397-0397 Zip:

88241

Attn:

Company:

Oxy

Address:

P.O. #:

BILL TO

ANALYSIS REQUEST

Sampler Name:

SIMON RENDAN

OR LAB USE ONLY

Project Location: New Mexico

Released to Imaging: 2/10/2025 8:13:51 AM

Received by	OCD:	2/7/2025	6:10:00 PM
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Page 99 of 105

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Page 100 of 105

Released to Imaging: 2/10/2025 8:13:51 AM

Chauses to 6/26/24	*	n CHECKED BY: (Initials)	Sample Condition Cool Intact Dries Pres	Circle One) -9.4 Bus - Other: +140	Delivered By: (Circle One) Sampler - UPS - Bus - Other:
ult: Ves I No Add'I Phone #:	Phone Result: Fax Result: REMARKS:	Hena	A Received By:	Time 3. 10 Am	Relinquished By:
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y y y	2:31PM	5/24/24		SP 6@3'	-
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• • •	1:38PM	5/24/24		SP 6@1'	_
< < < <	1:15PM	5/24/24		SP 6@SURFACE	-
	12:46PM	5/24/24		SP 5@3'	-
	12:02PM		-	SP 5@2'	_
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			INERS WATER	Sample   D	LahID
		PRESERV. SAMPLING			FOR LAB USE ONLY
T		Fax #:	_	SIMON RENDAN	Sampler Name:
		Phone #:	+ interior	New Mexico	Project Location:
		State: Zip:	-	CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	Project Name: CEI
		City:		Project Owner: Oxy	Project #:
		Address:	575-397-0397	Fax #:	Phone #: 575-397-6388
		Attn:	Zip: 88241	State: NM	city: Hobbs
		Company: Oxy		ox 805	Address: P.O. Box 805
		P.O. #:		Cliff Brunson	Project Manager: Cliff Brunson

5

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

Company Name: BBC International, Inc.

BILL TO

ANALYSIS REQUEST

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

**Released to Imaging: 2/10/2025 8:13:51 AM** 

Company Name:	BBC International Inc.		BILL TO		ANAI VSIS DEDITEST
Project Manager:		P	P.O. #:		
Address: P.O.	0	0	Company: Oxy		
city: Hobbs	State: NM	Zip: 88241 Attn:			
Phone #: 575-397-6388	Fax #:	575-397-0397 Ad	Address:		
Project #:	Project Owner: Oxy	r: Oxy City:	y:		
Project Name: (	CEDAR CANYON WTF (7/15/22,7/22/2)	22,2/25/23,3/6/24)	ate: Zip:		
Project Location:	1: New Mexico	¥ infrulz 3 Ph	e #	e	
Sampler Name:	SIMON RENDAN		Fax #:	d	
FOR LAB USE ONLY		P. MATRIX	PRESERV. SAMPLING	K	
Lab I.D.	Sample I.D.		D/BASE: : / COOL HER :	Chlon BTE PHE	
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	SP 8@3'		5/28/24 1	12:03PM / / /	
	SP 9@SURFACE		5/28/24 1		
LEASE NOTE: Liability and nalyses. All claims including	and Damages. Cardinal's sability and client's exclusive temedy for any claim ang those for negligence and any other cause whatsoever shall be deemed	want a	after	by the client for the completion of the applicable	
Relinquished By	and of or related to the performance of services hereon	Received By	them of the above stated was	Phone Result:         Yes         No           Fax Result:         Yes         No           REMARKS:         Yes         No	Vo Add'I Phone #: Vo Add'I Fax #:
Relinquished By: Jonal Hen	ea	ADQUO		* Customer.	hanges to - 4/26/24
Sampler - UPS -	Bus - Other: #100	Cool Intact	R (Initials)		

Page 101 of 105

589

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2

Page 102 of 105

Company Name:	BBC International, Inc.		BILL TO			ANALYSIS REQUEST	
Project Manager	Project Manager: Cliff Brunson		P.O. #:				_
Address: P.O. Box 805	Box 805		Company: Oxy		_		
city: Hobbs	State: NM	Zip: 88241			_		
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:		_		
Project #:	Project Owner: Oxy		City:				_
Project Name: C	Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)		State: Zip:	te			
Project Location:	New Mexico	-	Phone #:	io	-		
Sampler Name:	SIMON RENDAN	coludat	Fax #:	r	, T		
FOR LAB USE ONLY		VATER	m	nlon	HE		
HZUBUZ		# CONT GROUN WASTE SOIL OIL SLUDG	ACID/B ICE / CO OTHER	TIME	T		
_	SP 9@2'	4	7-	1:21PM 🗸	11		
g	SP 9@3'	4	5/28/24	1:36PM 🗸	~ ~		
	SP 10@SURFACE		5/28/24	1:54PM /	• •		
2	SP 10@1'		5/28/24	2:12PM	• •		
	SP 10@2'		5/28/24	2:29PM	•		
	SP 10@3'		5/28/24	2:41PM			
25	SP 11@SURFACE		5/28/24	2:54PM	• •		
	SP 11@1'		5/28/24	3:07PM			
	SP 11@2'		5/28/24	3:16PM /	~ ~		
5% PLEASE NOTE: Luability and	SP 11@3' Damages Cardinal's liability and client's exclusive remedy for	ar any claim ansing whether based in contract or fort	a tort, shall be limited to the amount paid	3:30PM	~ ~		
analyses. All claims including service in no event shall Cau	malyes. Al claims including those for magigence and any other cause whatsoever shall be deemed waved unless made is writing and received by Cardinal writin 30 days after competition of the application arriver in no event shall Cardinal be labele for incidental or consequential damages, including whood imitation, business interruptions, loss of use, or loss of gottis incounted by clienti, its subsidientes.	shall be deemed walved unless made in writing and r including without imitation, business interruptions, los	d received by Cardinal within 30 days after loss of use, or loss of profifs incurred by cl	thin 30 days after completion of the applicablists incurred by client, its subsidiaries.	See.		
Relinquished By	55	Received By:	fleno	Phone Result: Fax Result: REMARKS: X	ustormes INO	□ No Add"Phone#: □ No Add"Fax#:	ate
0 4ª	(Circle One) - Q. J	200 San	on CHECKED BY: (Initials)	Chu	haufs.	40. 4/20/24	
a second	THE THE THE						

9

Project Owner: Oxy         SIMON RENDAN         SIMON RENDAN         Sample I.D.         SP 12@SURFACE         SP 12@21'         SP 12@21'         SP 13@SURFACE         SP 13@21'         SP 13@2'         SP 13'         SP 13'	Relinquished By: Relinquished By: Relinquished By: Delivered By: (Circle One Sampler - UPS - Bus - Othe	LU LU PLEASE NOTE Liability as analyses All claims includin	12666	500	Lab I.D.	Sampler Name:	Project Location:	Project #: Project Name:	
r any clam along whether based a contait to the served as a contain to the served as a contait to the served as a contain to the served as a conthe served as a contain to the served a	Circle One) (Circle One) (Circle One) Bus - Other: + 140	and client's exclusive rea	SP 12@2' SP 12@3' SP 13@SURFACE SP 13@1' SP 13@2'	SP 12@SURFACE SP 12@1'	Sample I.D.	SIMON RENDAN		Project Ow CEDAR CANYON WTF (7/15/22,7/22	
	Ing vibroit instances antemptions, low relations regardless of wather user, claim is to Received By: Received By: Received By: Cool Instact Bytes No No No	a deams values of unless make in writing and			CONTAINERS	1 1.	¥ 10/04/23	ner: Oxy 122,8125/22,2125/23,316/24)	0 001 0001

Phone #: 575-397-6388 city: Hobbs Project Manager: Cliff Brunson Address: P.O. Box 805 Company Name: BBC International, Inc. Fax #: State: NM 575-397-0397 Zip: 88241 Attn: P.O. #: Address Company: BILL TO Oxy ATE 9/24 1/24 1/24 9/24 3/24 124 1/24 24 AMPLING 24 9:42AM 9:25AM 11:41AM 10:55AM 10:19AM REMARKS: Fax Result: 12:46PM 12:03PM 11:20AM 10:36AM 10:03AM Phone Result: TIME of the Customer requested Tate orie 0 ٩, 5 ٩, □ Yes < 5 ٢ 5 5 5 5 < I No 5 5 5 < < ٢ ٢, ۲ Add'l Phone #: Add'l Fax #: ANALYSIS REQUEST

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

Changes to - 1/26/24

Page 104 of 105

	BBC International, Inc.		BILL TO		ANALYSIS REQUEST
Project Manager: Cliff Brunson	unson		P.O. #:		
Address: P.O. Box 805			Company: Oxy		
city: Hobbs	State: NM	Zip: 88241			
Phone #: 575-397-6388	Fax #: 575	0397	Address:		
Project #:	Project Owner: Oxy		City:		
Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	NYON WTF (7/15/22,7/22/2	-	State: Zip:	2	
Project Location: New Mexico	exico	* infultas	ŧ	5	
Sampler Name: SIMON	SIMON RENDAN	caludar	Fax #:	io T	]
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		<u>×</u>
I.D.	Sample I.D.	JDGE	HER : D/BASE: / COOL HER :	Chlon BTEX PHE	
HUNG SP 14@S	SP 14@SURFACE				
70 SP 14@1		-61	5/20/24	12.JOPINI V V V	
			5/29/24		
72 SP 14@3'			5/29/24		
73 SP 15@SURFACE	URFACE		5/29/24	1:53PM	
	-		5/29/24	2:05PM	
			5/29/24	2:18PM / / /	
10 SP 15@3			5/29/24	•	
IT SP 16@SURFACE	URFACE		5/29/24	2:47PM / / /	
LEASE NOTE: Liability and Damages Cardinal's nalynes. All claims including those for negligence	lability and client's exclusive ren and any other cause whatsoever	nedy for any claim ansing whether based in contract or shall be deemed whered indices made in writing and in	5/2 fart, shall be imited to the	29/24 3:01PM / / /	
out o	or name for incoential or consequential damages, including of related to the performance of services hereunder by C	encluding without limitation, business interruptions, loss ider by Candinal, regardless of whether synch claim is b	a of use, or layery profits incurred by cli ased upon any of the above stated rear	ent, its subsidiaries, tors or otherwise	
Relinquished By:	Date: 5-3/-24	Received By:	Aldra	Phone Result: Fax Result: REMARKS:	No Add'l Phone #: No Add'l Fax #:
Relinquished B:	Date 3- 24	Received By:		* Custo	mer requeste
Delivered By: (Circle One)	- Mar	Sample Condition	CHECKED BY:	Changes	25 40. 6/26/24
Sampler - UPS - Bus - Other:	her:	Ves Pres	(Initials)		;

Released to Imaging: 2/10/2025 8:13:51 AM

Company Name:	BBC International, Inc.	l, Inc.	BILL TO	ANAI YSIS RECITEST
Project Manage	Project Manager: Cliff Brunson			
Address: P.O. Box 805	Box 805		Company: Oxy	
city: Hobbs		State: NM Zip: 88241		
Phone #: 575-397-6388	397-6388	Ċ1	Address:	
Project #:		Project Owner: Oxy	City:	
Project Name: C	EDAR CANYON WTF (	CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	_	
Project Location:	1: New Mexico	X N	Phone #:	
Sampler Name:	SIMON RENDAN	Inda v.	Fax #:	
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	SLUDGE DTHER : CE / COOL DTHER : DTHER	Chloni BTEX TPHEX
191	SP 16@2'	- # G W <b>T</b> S		
g	SP 16@3'	7		
PLEASE NOTE: Labelity and Damages. C analyses. All claims. Incidents down to the label service in no event sala Cardina the label difficultes of successors amaing out of or initia	irdinal's lability and cl ligance and any other for incidental ar cons	well's exclusive remedy for any claim animity whether based in contract or fort, shall be cruine whatsorier shall be deemed valued unless made in writing and received by Ca expandia damagee, including without initiation, bearness interrotector, loss of use, or is of services hitsentoit b Cardinal be Cardinal and	contract or bort shall be limited to the annount paid by the client for the ang and received by Cardon within 30 days after completion of the applicable protox. loss of use, or log of profits incurs to the to client, its subviolance, in client is based room of within any activity for client, its subviolance.	
Relinquished By:	( to d	Date: S-31-24 Time: W Ant Date: 21-711 Received By:	ALAMO Phone Result: Fax Result: REMARKS:	15 1 Yes 1 No Add Phone #: USTOMEN Juguested Trate
Delivered By: (Circle One) Sampler - UPS - Bus - Other	# Mh	Sample Cool Cool Inta	n CHECKED BY: (Initials)	Changes ito. 6/26/24



Page 105 of 105



June 28, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

**RE: CEDAR CANYON WTF** 

Enclosed are the results of analyses for samples received by the laboratory on 06/06/24 16:51.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23, Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 28-Jun-24 14:29
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 33@SURFACE	H243259-01	Soil	05-Jun-24 10:50	06-Jun-24 16:51
SP 33@1'	H243259-02	Soil	05-Jun-24 11:12	06-Jun-24 16:51
SP 33@2'	H243259-03	Soil	05-Jun-24 11:25	06-Jun-24 16:51
SP 33@3'	H243259-04	Soil	05-Jun-24 11:40	06-Jun-24 16:51
SP 34@SURFACE	H243259-05	Soil	05-Jun-24 11:52	06-Jun-24 16:51
SP 34@1'	H243259-06	Soil	05-Jun-24 12:06	06-Jun-24 16:51
SP 34@2'	H243259-07	Soil	05-Jun-24 12:47	06-Jun-24 16:51
SP 34@3'	H243259-08	Soil	05-Jun-24 13:03	06-Jun-24 16:51
SP 34@4'	H243259-09	Soil	05-Jun-24 13:14	06-Jun-24 16:51
SP 1@6'	H243259-10	Soil	05-Jun-24 13:30	06-Jun-24 16:51
SP 1@7'	H243259-11	Soil	05-Jun-24 13:42	06-Jun-24 16:51
SP 1@8'	H243259-12	Soil	05-Jun-24 13:56	06-Jun-24 16:51
SP 2@6'	H243259-13	Soil	05-Jun-24 14:05	06-Jun-24 16:51
SP 2@7'	H243259-14	Soil	05-Jun-24 14:14	06-Jun-24 16:51
SP 2@8'	H243259-15	Soil	05-Jun-24 14:29	06-Jun-24 16:51
SP 3@6'	H243259-16	Soil	05-Jun-24 14:37	06-Jun-24 16:51
SP 3@7'	H243259-17	Soil	05-Jun-24 14:45	06-Jun-24 16:51
SP 3@8'	H243259-18	Soil	05-Jun-24 14:53	06-Jun-24 16:51
SP 4@6'	H243259-19	Soil	05-Jun-24 15:05	06-Jun-24 16:51
SP 4@7'	H243259-20	Soil	05-Jun-24 15:14	06-Jun-24 16:51
SP 4@8'	H243259-21	Soil	05-Jun-24 15:23	06-Jun-24 16:51

06/28/24 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 06/12/24.

## Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14::	29
				@SURFA 259-01 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	976		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060734	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.0 %	71.5	-134	4060734	ЛН	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.4 %	48.2	-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			99.4 %	49.1	-148	4060715	ms	07-Jun-24	8015B	

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:2	29
				2 33@1' 259-02 (So	si)					
			11243.	239-02 (30	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	480		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060734	ЈН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		97.7 %	71.5	-134	4060734	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane			99.4 %	48.2	-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	4060715	ms	07-Jun-24	8015B	

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:	29
				P 33@2'						
			H243	259-03 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060734	ЛН	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		97.5 %	71.5	-134	4060734	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1	-148	4060715	ms	07-Jun-24	8015B	

## **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 14:2	29
				2 33@3' 259-04 (So	<b>5</b> 1)					
			П245.	239-04 (30	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060734	ЛН	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060734	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		98.1 %	71.5	-134	4060734	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			119 %	49.1	-148	4060715	ms	07-Jun-24	8015B	

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		-	ect Number: 7, ct Manager: C		22,8/25/22	,2/25/23,:	2	Reported: ?8-Jun-24 14::	29
			SP 34@SUR	FACE					
			H243259-05 (	Soil)					
Analyte	Result	Repo MDL Lii	orting mit Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		(	Cardinal Labor	atories					
Inorganic Compounds									
Chloride	4880	16	5.0 mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	l							
Benzene*	< 0.050	0.0	050 mg/kg	50	4060734	JH	08-Jun-24	8021B	
Toluene*	< 0.050	0.0	)50 mg/kg	50	4060734	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.0	)50 mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150	0.1	50 mg/kg	50	4060734	JH	08-Jun-24	8021B	
Total BTEX	< 0.300	0.3	300 mg/kg	50	4060734	JH	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		97.9 % 7.	.5-134	4060734	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10	).0 mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	<10.0	10	0.0 mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10	0.0 mg/kg	1	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane			109 % 48	8.2-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			120 % 49	0.1-148	4060715	ms	07-Jun-24	8015B	

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 14Project Manager:Cliff BrunsonFax To:(575) 397-0397						Reported: 28-Jun-24 14::	29
			SP 34@1' 3259-06 (Se	oil)					
				,,					
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardir	al Laborat	tories					
Inorganic Compounds									
Chloride	864	16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1							
Benzene*	< 0.050	0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Ph	D)	111 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	62.8	10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane		80.4 %	48.2	-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		96.6 %	49.1	-148	4060715	ms	07-Jun-24	8015B	

## Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Reported: 28-Jun-24 14:29							
			P 34@2' 3259-07 (Se	oil)					
		1124.	239-07 (30	011)					
Analyte	Result M	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardin	al Laborat	tories					
Inorganic Compounds									
Chloride	1330	16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8021								
Benzene*	< 0.050	0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	(D)	109 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane		112 %	48.2	-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		126 %	49.1	-148	4060715	ms	07-Jun-24	8015B	

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## \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	nber: 7/1. ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 14:29			
				P 34@3' 259-08 (Se	sil)						
			11240	237 00 (5	,,,,,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Inorganic Compounds											
Chloride	400		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PIL	))		107 %	71.5	-134	4060735	ЛН	08-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	4060715	ms	08-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 14:29			
				2 34@4' 259-09 (So	nil)						
					,,,,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds											
Chloride	400		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PII	D)		114 %	71.5	-134	4060735	ЈН	08-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctane			113 %	48.2	-134	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4060715	ms	08-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397							Reported: 28-Jun-24 14:29			
				P 1@6' 259-10 (So	sil)						
			112452	59-10 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	944		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 802	21									
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)		113 %	71.5	-134	4060735	JH	08-Jun-24	8021B		
<u>Petroleum Hydrocarbons by</u>	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctane			115 %	48.2	-134	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			129 %	49.1	-148	4060715	ms	08-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22,	,2/25/23,:	Reported: 28-Jun-24 14:29			
				P 1@7'							
			H2432	259-11 (So	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	144		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЈН	08-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PL	D)		109 %	71.5	-134	4060735	JH	08-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctane			101 %	48.2	-134	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			113 %	49.1	-148	4060715	ms	08-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 14:29			
				P 1@8' 259-12 (So	sil)						
			11245	237-12 (50	, m)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	64.0		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PL	D)		105 %	71.5	-134	4060735	JH	08-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			117 %	48.2	-134	4060715	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			124 %	49.1	-148	4060715	MS	10-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								Reported: 28-Jun-24 14:29		
				P 2@6'	.:.)						
			П243.	259-13 (So	)11)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds											
Chloride	832		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 80	)21									
Benzene*	< 0.050		0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PL	D)		113 %	71.5	-134	4060735	JH	08-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctane			102 %	48.2	-134	4060715	ms	08-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	4060715	ms	08-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								29
			S	P 2@7'						
			H2432	259-14 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		114 %	71.5	-134	4060735	ЈН	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	
Surrogate: 1-Chlorooctane			94.5 %	48.2	-134	4060719	MS	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			88.4 %	49.1	-148	4060719	MS	07-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								Reported: 28-Jun-24 14:29		
				P 2@8' 259-15 (So	,i)						
			П245.	239-13 (30	)11)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	48.0		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PL	D)		106 %	71.5	-134	4060735	JH	08-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B		
Surrogate: 1-Chlorooctane			112 %	48.2	-134	4060719	MS	07-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	4060719	MS	07-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								Reported: ?8-Jun-24 14::	29
				P 3@6'	.1)					
			H243	259-16 (So	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		117 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			112 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			106 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								Reported: 28-Jun-24 14:2	29
			S	P 3@7'						
			H2432	259-17 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		106 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			109 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			106 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								Reported: 28-Jun-24 14:	29
				P 3@8'	.1)					
			H243	259-18 (So	)))					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		107 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			120 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			118 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	,								Reported: 28-Jun-24 14:2	29
				P 4@6'						
			H2432	259-19 (So	01 <b>1</b> )					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds						10.11.000				
Chloride	896		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЈН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		109 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			127 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241									Reported: 28-Jun-24 14:2	29
				P 4@7'	•1\					
			H243	259-20 (Se	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		106 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			117 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			118 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								29
				P 4@8'						
			H2432	259-21 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
<b>Volatile Organic Compounds</b>	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		108 %	71.5	-134	4060735	ЛН	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.5 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			91.9 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805	Project Number:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,:	Reported: 28-Jun-24 14:29
Hobbs NM, 88241	Project Manager:	Cliff Brunson	
	Fax To:	(575) 397-0397	

## **Inorganic Compounds - Quality Control**

# **Cardinal Laboratories**

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared &	Analyzed:	10-Jun-24				
ND	16.0	mg/kg							
			Prepared &	z Analyzed:	10-Jun-24				
416	16.0	mg/kg	400		104	80-120			
			Prepared &	Analyzed:	10-Jun-24				
432	16.0	mg/kg	400		108	80-120	3.77	20	
			Prepared &	Analyzed:	11-Jun-24				
ND	16.0	mg/kg							
			Prepared &	Analyzed:	11-Jun-24				
416	16.0	mg/kg	400		104	80-120			
			Prepared &	Analyzed:	11-Jun-24				
448	16.0	mg/kg	400		112	80-120	7.41	20	
	ND 416 432 ND 416	Result         Limit           ND         16.0           416         16.0           432         16.0           ND         16.0           432         16.0           416         16.0           416         16.0	Result         Limit         Units           ND         16.0         mg/kg           416         16.0         mg/kg           432         16.0         mg/kg           ND         16.0         mg/kg           416         16.0         mg/kg           416         16.0         mg/kg	ResultLimitUnitsLevelPrepared &ND16.0mg/kg41616.0mg/kg400Prepared &43216.0mg/kg43216.0mg/kgPrepared &Prepared &16.0mg/kg400Prepared &Prepared &16.0mg/kg400Prepared &Prepared &16.0mg/kg400Prepared &Prepared &16.0mg/kg400	Result     Limit     Units     Level     Result       Prepared & Analyzed:     Prepared & Analyzed:       ND     16.0     mg/kg       416     16.0     mg/kg       432     16.0     mg/kg       Prepared & Analyzed:     Prepared & Analyzed:       432     16.0     mg/kg       Prepared & Analyzed:     Prepared & Analyzed:       416     16.0     mg/kg       Prepared & Analyzed:     Prepared & Analyzed:       ND     16.0     mg/kg       Prepared & Analyzed:     Prepared & Analyzed:	Result         Limit         Units         Level         Result         %REC           Prepared & Analyzed: 10-Jun-24           ND         16.0         mg/kg         Prepared & Analyzed: 10-Jun-24           416         16.0         mg/kg         400         104           Prepared & Analyzed: 10-Jun-24         Prepared & Analyzed: 10-Jun-24         104           416         16.0         mg/kg         400         108           Prepared & Analyzed: 11-Jun-24           MD         16.0         mg/kg         400         108           Prepared & Analyzed: 11-Jun-24           MD         16.0         mg/kg         400         104           Prepared & Analyzed: 11-Jun-24           MD         16.0         mg/kg         400         104           Prepared & Analyzed: 11-Jun-24           MD         16.0         mg/kg         400         104           Prepared & Analyzed: 11-Jun-24	Result         Limit         Units         Level         Result         %REC         Limits           Prepared & Analyzed: 10-Jun-24           ND         16.0         mg/kg         Prepared & Analyzed: 10-Jun-24           416         16.0         mg/kg         400         104         80-120           Prepared & Analyzed: 10-Jun-24         Prepared & Analyzed: 10-Jun-24         80-120         108         80-120           416         16.0         mg/kg         400         108         80-120           Prepared & Analyzed: 10-Jun-24           432         16.0         mg/kg         400         108         80-120           Prepared & Analyzed: 11-Jun-24           ND         16.0         mg/kg         Prepared & Analyzed: 11-Jun-24           416         16.0         mg/kg         400         104         80-120           Prepared & Analyzed: 11-Jun-24           416         16.0         mg/kg         400         104         80-120           Prepared & Analyzed: 11-Jun-24	Result         Limit         Units         Level         Result         %REC         Limits         RPD           Prepared & Analyzed: 10-Jun-24           ND         16.0         mg/kg </td <td>Result         Limit         Units         Level         Result         %REC         Limits         RPD         Limit           Prepared &amp; Analyzed: 10-Jun-24           ND         16.0         mg/kg         Prepared &amp; Analyzed: 10-Jun-24        </td>	Result         Limit         Units         Level         Result         %REC         Limits         RPD         Limit           Prepared & Analyzed: 10-Jun-24           ND         16.0         mg/kg         Prepared & Analyzed: 10-Jun-24

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: 7/ Project Manager: Cli		Reported: 28-Jun-24 14:29
Hobbs NM, 88241	, ,	iff Brunson 675) 397-0397	

#### Volatile Organic Compounds by EPA Method 8021 - Quality Control

# **Cardinal Laboratories**

Archer	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Net
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060734 - Volatiles										
Blank (4060734-BLK1)				Prepared: 0	7-Jun-24 A	nalyzed: 0	8-Jun-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		97.7	71.5-134			
LCS (4060734-BS1)				Prepared: 0	7-Jun-24 A	nalyzed: 0	8-Jun-24			
Benzene	1.87	0.050	mg/kg	2.00		93.3	82.8-130			
Toluene	1.90	0.050	mg/kg	2.00		95.2	86-128			
Ethylbenzene	1.82	0.050	mg/kg	2.00		91.0	85.9-128			
m,p-Xylene	3.65	0.100	mg/kg	4.00		91.3	89-129			
o-Xylene	2.03	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	5.68	0.150	mg/kg	6.00		94.7	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.5	71.5-134			
LCS Dup (4060734-BSD1)				Prepared: 0	97-Jun-24 A	nalyzed: 0	8-Jun-24			
Benzene	1.93	0.050	mg/kg	2.00		96.6	82.8-130	3.47	15.8	
Toluene	1.94	0.050	mg/kg	2.00		97.2	86-128	2.08	15.9	
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.3	85.9-128	0.391	16	
m,p-Xylene	3.66	0.100	mg/kg	4.00		91.6	89-129	0.236	16.2	
o-Xylene	2.03	0.050	mg/kg	2.00		101	86.1-125	0.256	16.7	
Total Xylenes	5.69	0.150	mg/kg	6.00		94.8	88.2-128	0.0607	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.6	71.5-134			

# Batch 4060735 - Volatiles

Blank (4060735-BLK1)			Prepared: 07-Jun-24 Analyzed: 08-Jun-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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	•		Reported: 28-Jun-24 14:29
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

# **Cardinal Laboratories**

		Carun		oracories						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060735 - Volatiles	Result	Linit	Onto	Lever	result	Juneo	Lillits	Id D	Linit	110105
Blank (4060735-BLK1)				Prepared: (	)7-Jun-24 A	analyzed: 0	8-Jun-24			
Total BTEX	ND	0.300	mg/kg	*		•				
Surrogate: 4-Bromofluorobenzene (PID)	0.0576		mg/kg	0.0500		115	71.5-134			
LCS (4060735-BS1)				Prepared: (	)7-Jun-24 A	nalyzed: 0	8-Jun-24			
Benzene	1.82	0.050	mg/kg	2.00		91.1	82.8-130			
Toluene	1.84	0.050	mg/kg	2.00		91.9	86-128			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.4	85.9-128			
m,p-Xylene	3.80	0.100	mg/kg	4.00		95.1	89-129			
o-Xylene	1.92	0.050	mg/kg	2.00		96.2	86.1-125			
Total Xylenes	5.73	0.150	mg/kg	6.00		95.5	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			
LCS Dup (4060735-BSD1)				Prepared: (	)7-Jun-24 A	nalyzed: 0	8-Jun-24			
Benzene	1.88	0.050	mg/kg	2.00		94.0	82.8-130	3.14	15.8	
Toluene	1.96	0.050	mg/kg	2.00		98.1	86-128	6.57	15.9	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128	8.71	16	
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	89-129	9.42	16.2	
o-Xylene	2.09	0.050	mg/kg	2.00		104	86.1-125	8.18	16.7	
Total Xylenes	6.27	0.150	mg/kg	6.00		104	88.2-128	9.01	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0567		mg/kg	0.0500		113	71.5-134			

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 14:29
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# Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories
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Analis	D 1	Reporting	IT '/	Spike	Source	0/850	%REC	DDD	RPD	ът
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060715 - General Prep - Organics										
Blank (4060715-BLK1)				Prepared &	Analyzed:	07-Jun-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	48.3		mg/kg	50.0		96.6	48.2-134			
Surrogate: 1-Chlorooctadecane	53.6		mg/kg	50.0		107	49.1-148			
LCS (4060715-BS1)				Prepared &	Analyzed:	07-Jun-24				
GRO C6-C10	192	10.0	mg/kg	200		95.9	66.4-123			
DRO >C10-C28	176	10.0	mg/kg	200		88.2	66.5-118			
Total TPH C6-C28	368	10.0	mg/kg	400		92.0	77.6-123			
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.0	48.2-134			
Surrogate: 1-Chlorooctadecane	50.7		mg/kg	50.0		101	49.1-148			
LCS Dup (4060715-BSD1)				Prepared &	z Analyzed:	07-Jun-24				
GRO C6-C10	192	10.0	mg/kg	200		96.1	66.4-123	0.224	17.7	
DRO >C10-C28	178	10.0	mg/kg	200		88.9	66.5-118	0.785	21	
Total TPH C6-C28	370	10.0	mg/kg	400		92.5	77.6-123	0.493	18.5	
Surrogate: 1-Chlorooctane	57.6		mg/kg	50.0		115	48.2-134			
Surrogate: 1-Chlorooctadecane	63.4		mg/kg	50.0		127	49.1-148			

Blank (4060719-BLK1)				Prepared & Ana	lyzed: 07-Jun-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	55.8		mg/kg	50.0	112	48.2-134	
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0	110	49.1-148	

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25 Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 28-Jun-24 14:29
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# Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060719 - General Prep - Organics										
LCS (4060719-BS1)				Prepared &	Analyzed:	07-Jun-24				
GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123			
DRO >C10-C28	204	10.0	mg/kg	200		102	66.5-118			
Total TPH C6-C28	413	10.0	mg/kg	400		103	77.6-123			
Surrogate: 1-Chlorooctane	53.5		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			
LCS Dup (4060719-BSD1)				Prepared &	Analyzed:	07-Jun-24				
GRO C6-C10	216	10.0	mg/kg	200		108	66.4-123	3.71	17.7	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	1.73	21	
Total TPH C6-C28	424	10.0	mg/kg	400		106	77.6-123	2.74	18.5	
Surrogate: 1-Chlorooctane	63.4		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	61.5		mg/kg	50.0		123	49.1-148			

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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 $6^{\circ}\text{C}$

Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**Released to Imaging: 2/10/2025 8:13:51 AM** 

Company Name:	* BBC International, Inc.		BILL TO	5			ANALYSIS REQUEST
Project Manage	Project Manager: Cliff Brunson		P.O. #:		-		- 1
Address: P.O. Box 805	Box 805		Company: Oxy				
city: Hobbs	Stat	State: NM Zip: 88241					
Phone #: 575-397-6388	П	: 575-397-0397	Address:			_	
Project #:	Proje	Project Owner: OXY	City:		_	_	
Project Name: (	CEDAR CANYON WTF (7/15/2	22,2/25/23,3/6/24)	State: Zip:			Ø	
Project Location:	1: New Mexico				1.	2.6	
Sampler Name:	SIMON RENDAN	5	Fax #:		-	ent	
FOR LABUSE ONLY		ERS ATER	PRESERV. SAMPLING		x ekt		
Lab I.D.	Sample I.D.	(G)RAB OR ( # CONTAINE GROUNDWA WASTEWATE SOIL OIL SLUDGE	OTHER : ACID/BASE: CE / COOL DTHER : DATE	TIME	BTEX TPH	Chlo	
-	SP 33@Surface	-	1	10:50AM	< <	<	
1	SP 33@1'		6/5/24	11:12AM	<	<	
w	SP 33@2'		6/5/24	11:25AM		•	
e	SP 33@3'		6/5/24	11:40AM	•	<	
v	SP 34@Surface		6/5/24	11:52AM	•	•	
6	SP 34@1'		6/5/24	12:06PM	<	<	
	SP 34@2'		6/5/24	12:47PM	< <	•	
8	SP 34@3'		6/5/24	1:03PM	~ ~	<	
ā	SP 34@4'		6/5/24	1:14PM	•	<	
daims	SP 1@6'	hethe	or tort, shall be limited to the amount p	1:30PM paid by the client for the	~		
service in no event shall Care athlates or successors arising Relifiquished By:	unce in no event shall Cardinal be lable for incidental of consequential dam alies or successors arising out of operated to the performance of services in phfrquished By: Date:	Both	ness interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, nether such calim its based uppervini of the above stated reasons or otherwise I I I I I I I I I I I I I I I I I I I	ve staled reasons or otherwise Phone Result:	t: 🗆 Yes	es 🗆 No	Add'l Phone #:
XAMO	Kin Timez	Time B. O. M. Wall	Hend	REMARKS:	LI Tes		
Reinfulished By: 1	uttener	A Received		* project	rect	nor.	nound connection. per
Sampler - UPS - Bus - Other:	Bus - Other:	Cool Intact	(Initials)				

Page 30 of 32

# Received by OCD: 2/7/2025 6:10:00 PM

Company Name: Project Manager:		al, Inc.		BILL	1 10				ANALYSIS	REQUEST	T
Address: P ()	Box 805						-				
city: Hobbs		State: NM	Zip: 88241	Attn:	- International Contraction			_			
Phone #: 575-397-6388	97-6388	Fax #: 575-	575-397-0397	Address:			_		_		
Project #:		Project Owner: Oxy	Oxy	City:			-				
Project Name: C	CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	(7/15/22,7/22/22	8/25/22,2/25/23,3/6/2	State:	Zip:		_	a			_
Project Location:	: New Mexico		10(4)33	Phone #:			d	de		_	
Sampler Name:	SIMON RENDAN	N	*Set	THE ARE IN				41		_	
FOR LAB USE DNLY			MATRIX		SAMPLING		at		_		
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE ICE / COOL OTHER :	DATE	TIME	BTEX TPH 0	Chlorid			
	SP 1@7'	~	-	7		1:42PM	< <	<			_
17	SP 1@8'		-	-	6/5/24 1:5	1:56PM	<	<			
	SP 2@6'				6/5/24 2:0	2:05PM	•	•			
Ju :	SP 2@7'					2:14PM	< .	•			
	SP 2@8'				6/5/24 2:2	2:29PM	۲ ۲	< -			
	SP 3@6'				6/5/24 2:3	2:37PM	•	•			
	SP 3@7'				6/5/24 2:4	2:45PM	< .	<			
61	SP 3@8'				6/5/24 2:5	2:53PM	•	<			
19	SP 4@6'				6/5/24 3:0	3:05PM	•	•			
L	SP 4@7'		TTT	4	6/5/24 3.1	3:14PM	•	•			
PLEASE NOTE: Liability and analyses All daims including service in no event shall Can	and Damages. Cardinal's liability and clies ding those for negligence and any other ca Cardinal be liable for implental or consequences of the con	if's exclusive temedy for any ause whatsoever shall be dei uental damages, including w	sousive temedy for any claim arising whether based in contract or fort, shall be limited whatsoever shall be deemed waved unless made in writing and received by Cardinal al damages, including without limitation, business interruptions, loss of use, or yes of t	tract or tort, shall be limited to th and received by Cardinal within ins, loss of use, or joss of profils	e amou 30 da	int paid by the client for the ys after completion of the a of by client, its subsidiaries	ppicable				
Relinduished By:	nown of a	Date: 6-624 Time 2. MAN	Received By:	thomas	Fa RE	Phone Result: Fax Result: REMARKS:	lt: 🗆 Yes	No No	Add'l Phone #: Add'l Fax #:		5
	natter	Date Coz4	Received By:	0	2*	project			COLLA	deignerton per	8 connection. per
Sampler - UPS -	Bus - Other:	140	Cool Intact	res (Initials)	Is)					0	
			No								

Page 161 of 345

Phone #: 575-397-6388 city: Hobbs Project Manager: Cliff Brunson Sampler Name: Project Location: New Mexico Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24) State: Project #: Address: P.O. Box 805 Company Name: BBC International, Inc. Refinquisheo Relinquished By: LEASE NOTE: Sampler - UPS - Bus - Other: Delivered By: (Circle One) 12 BOUNDA Lab I.D. lyses All clam 2:43259 OR LAB USE ONLY + Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 2100 (505) 393-2326 FAX (505) 393-2476 101 East Marland, Hobbs, NM 88240 SP 4@8 SIMON RENDAN Sample I.D. 40 Project Owner: Oxy Fax #: 5 Dater for 1 Time: C.N State: NM Time 575-397-0397 Zip: (G)RAB OR (C)OMP Received By: Received B # CONTAINERS 88241 GROUNDWATER Sample Condition Cool Intact Pres Pres No No No WASTEWATER 10/4/23 Phone #: 24 and MATRIX SOIL OIL SLUDGE P.O. #: City: Attn: OTHER Address: Company: ACID/BASE PRESERV. ICE / COOL CHECKED BY: 7 oss of prote BILL OTHER (Initials) Oxy Ð Zip 6/5/24 DATE SAMPLING 10 tays afte ID BY CIRCLE 3:23PM Fax Result REMARKS: \* project norme collection Phone Result: TIME of the app < BTEY □ Yes TPH Extended < Chloride < I No ANALYSIS Add'l Phone #: Add'l Fax #: REQUEST handydde

ARDINAL LABORATORIES

Page 32 of 32



June 28, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON WTF

Enclosed are the results of analyses for samples received by the laboratory on 06/06/24 16:51.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23 Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 28-Jun-24 15:38
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 16 @ 4'	H243260-01	Soil	30-May-24 09:15	06-Jun-24 16:51
SP 16 @ 5'	H243260-02	Soil	30-May-24 09:27	06-Jun-24 16:51
SP 17 @ SURFACE	H243260-03	Soil	30-May-24 09:47	06-Jun-24 16:51
SP 17 @ 1'	H243260-04	Soil	30-May-24 10:10	06-Jun-24 16:51
SP 17 @ 2'	H243260-05	Soil	30-May-24 10:24	06-Jun-24 16:51
SP 17 @ 3'	H243260-06	Soil	30-May-24 10:38	06-Jun-24 16:51
SP 17 @ 4'	H243260-07	Soil	30-May-24 10:53	06-Jun-24 16:51
SP 18 @ SURFACE	H243260-08	Soil	30-May-24 11:12	06-Jun-24 16:51
SP 18 @ 1'	H243260-09	Soil	30-May-24 11:26	06-Jun-24 16:51
SP 18 @ 2'	H243260-10	Soil	30-May-24 11:42	06-Jun-24 16:51
SP 18 @ 3'	H243260-11	Soil	30-May-24 11:56	06-Jun-24 16:51
SP 18 @ 4'	H243260-12	Soil	30-May-24 12:12	06-Jun-24 16:51
SP 19 @ SURFACE	H243260-13	Soil	30-May-24 12:51	06-Jun-24 16:51
SP 19@ 1'	H243260-14	Soil	30-May-24 13:07	06-Jun-24 16:51
SP 19@ 2'	H243260-15	Soil	30-May-24 13:19	06-Jun-24 16:51
SP 19 @ 3'	H243260-16	Soil	30-May-24 13:32	06-Jun-24 16:51
SP 19 @ 4'	H243260-17	Soil	30-May-24 13:44	06-Jun-24 16:51
SP 20 @ SURFACE	H243260-18	Soil	30-May-24 13:55	06-Jun-24 16:51
SP 20@ 1'	H243260-19	Soil	30-May-24 14:10	06-Jun-24 16:51
SP 20 @ 2'	H243260-20	Soil	30-May-24 14:19	06-Jun-24 16:51
SP 20 @ 3'	H243260-21	Soil	30-May-24 14:31	06-Jun-24 16:51
SP 20@ 4'	H243260-22	Soil	30-May-24 14:40	06-Jun-24 16:51
SP 21 @ SURFACE	H243260-23	Soil	30-May-24 14:52	06-Jun-24 16:51
SP 21@ 1'	H243260-24	Soil	30-May-24 15:03	06-Jun-24 16:51
SP 21 @ 2'	H243260-25	Soil	30-May-24 15:14	06-Jun-24 16:51
SP 21 @ 3'	H243260-26	Soil	30-May-24 15:22	06-Jun-24 16:51
SP 21 @ 4'	H243260-27	Soil	30-May-24 15:35	06-Jun-24 16:51

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

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 Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
SP 22 @ SURFACE	H243260-28	Soil	31-May-24 09:25	06-Jun-24 16:51
SP 22 @ 1'	H243260-29	Soil	31-May-24 09:43	06-Jun-24 16:51
SP 22 @ 2'	H243260-30	Soil	31-May-24 10:07	06-Jun-24 16:51
SP 22 @ 3'	H243260-31	Soil	31-May-24 10:23	06-Jun-24 16:51
SP 22 @ 4'	H243260-32	Soil	31-May-24 10:39	06-Jun-24 16:51
SP 22 @ 5'	H243260-33	Soil	31-May-24 10:52	06-Jun-24 16:51
SP 23 @ SURFACE	H243260-34	Soil	31-May-24 11:14	06-Jun-24 16:51
SP 23 @ 1'	H243260-35	Soil	31-May-24 11:32	06-Jun-24 16:51
SP 23 @ 2'	H243260-36	Soil	31-May-24 11:51	06-Jun-24 16:51
SP 23 @ 3'	H243260-37	Soil	31-May-24 12:08	06-Jun-24 16:51
SP 24 @ SURFACE	H243260-38	Soil	31-May-24 12:45	06-Jun-24 16:51
SP 24 @ 1'	H243260-39	Soil	31-May-24 13:06	06-Jun-24 16:51
SP 24 @ 2'	H243260-40	Soil	31-May-24 13:19	06-Jun-24 16:51
SP 24 @ 3'	H243260-41	Soil	31-May-24 13:36	06-Jun-24 16:51
SP 24 @ 4'	H243260-42	Soil	31-May-24 13:52	06-Jun-24 16:51
SP 25 @ SURFACE	H243260-43	Soil	31-May-24 14:12	06-Jun-24 16:51
SP 25@ 1'	H243260-44	Soil	31-May-24 14:26	06-Jun-24 16:51
SP 25 @ 2'	H243260-45	Soil	31-May-24 14:41	06-Jun-24 16:51
SP 25 @ 3'	H243260-46	Soil	31-May-24 15:02	06-Jun-24 16:51
SP 25 @ 4'	H243260-48	Soil	31-May-24 15:29	06-Jun-24 16:51
SP 25 @ 5'	H243260-49	Soil	31-May-24 09:30	06-Jun-24 16:51
SP 26 @ SURFACE	H243260-50	Soil	03-Jun-24 09:46	06-Jun-24 16:51
SP 26 @ 1'	H243260-51	Soil	03-Jun-24 10:02	06-Jun-24 16:51
SP 26 @ 2'	H243260-52	Soil	03-Jun-24 10:23	06-Jun-24 16:51
SP 26 @ 3'	H243260-53	Soil	03-Jun-24 10:23	06-Jun-24 16:51
SP 26 @ 4'	H243260-54	Soil	03-Jun-24 10:40	06-Jun-24 16:51
SP 26 @ 5'	H243260-55	Soil	03-Jun-24 10:54	06-Jun-24 16:51
SP 27 @ SURFACE	H243260-56	Soil	03-Jun-24 11:10	06-Jun-24 16:51
SP 27 @ 1'	H243260-57	Soil	03-Jun-24 11:25	06-Jun-24 16:51
SP 27 @ 2'	H243260-58	Soil	03-Jun-24 11:43	06-Jun-24 16:51

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

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 Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
SP 27 @ 3'	H243260-59	Soil	03-Jun-24 12:04	06-Jun-24 16:51
SP 27 @ 4'	H243260-60	Soil	03-Jun-24 12:47	06-Jun-24 16:51
SP 27 @ 5'	H243260-61	Soil	03-Jun-24 13:05	06-Jun-24 16:51
SP 28 @ SURFACE	H243260-62	Soil	03-Jun-24 13:19	06-Jun-24 16:51
SP 28 @ 1'	H243260-63	Soil	03-Jun-24 13:34	06-Jun-24 16:51
SP 28 @ 2'	H243260-64	Soil	03-Jun-24 13:52	06-Jun-24 16:51
SP 28 @ 3'	H243260-65	Soil	03-Jun-24 14:05	06-Jun-24 16:51
SP 28 @ 4'	H243260-66	Soil	03-Jun-24 14:16	06-Jun-24 16:51
SP 28 @ 5'	H243260-67	Soil	03-Jun-24 14:29	06-Jun-24 16:51
SP 29 @ SURFACE	H243260-68	Soil	03-Jun-24 14:46	06-Jun-24 16:51
SP 29 @ 1'	H243260-69	Soil	03-Jun-24 15:07	06-Jun-24 16:51
SP 29 @ 2'	H243260-70	Soil	04-Jun-24 09:20	06-Jun-24 16:51
SP 29 @ 3'	H243260-71	Soil	04-Jun-24 09:37	06-Jun-24 16:51
SP 29 @ 4'	H243260-72	Soil	04-Jun-24 09:52	06-Jun-24 16:51
SP 30 @ SURFACE	H243260-73	Soil	04-Jun-24 10:12	06-Jun-24 16:51
SP 30 @ 1'	H243260-74	Soil	04-Jun-24 10:26	06-Jun-24 16:51
SP 30 @ 2'	H243260-75	Soil	04-Jun-24 10:41	06-Jun-24 16:51
SP 30 @ 3'	H243260-76	Soil	04-Jun-24 10:56	06-Jun-24 16:51
SP 30 @ 4'	H243260-77	Soil	04-Jun-24 11:12	06-Jun-24 16:51
SP 30 @ 5'	H243260-78	Soil	04-Jun-24 11:24	06-Jun-24 16:51
SP 31 @ SURFACE	H243260-79	Soil	04-Jun-24 11:38	06-Jun-24 16:51
SP 31 @ 1'	H243260-80	Soil	04-Jun-24 11:55	06-Jun-24 16:51
SP 31 @ 2'	H243260-81	Soil	04-Jun-24 12:45	06-Jun-24 16:51
SP 31@ 3'	H243260-82	Soil	04-Jun-24 13:10	06-Jun-24 16:51
SP 31@ 4'	H243260-83	Soil	04-Jun-24 13:27	06-Jun-24 16:51
SP 31 @ 5'	H243260-84	Soil	04-Jun-24 13:46	06-Jun-24 16:51
SP 32 @ SURFACE	H243260-85	Soil	04-Jun-24 14:08	06-Jun-24 16:51
SP 32 @ 1'	H243260-86	Soil	04-Jun-24 14:21	06-Jun-24 16:51
SP 32 @ 2'	H243260-87	Soil	04-Jun-24 14:40	06-Jun-24 16:51
SP 32 @ 3'	H243260-88	Soil	04-Jun-24 15:02	06-Jun-24 16:51

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
SP 32 @ 4'	H243260-89	Soil	04-Jun-24 15:17	06-Jun-24 16:51
SP 32 @ 5'	H243260-90	Soil	04-Jun-24 15:29	06-Jun-24 16:51

06/28/24 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 06/12/24.

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:1	38
				16 @ 4 260-01 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	112		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	ЈН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		113 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			95.5 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			97.5 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project: CE t Number: 7/1 t Manager: Clif Fax To: (57	.5/22,7/22/2 f Brunson	22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:3	38
			SP 16 @ 5						
Analyte	Result	Report MDL Lim	ing	Dilution	Batch	Analyst	Analyzed	Method	Notes
		С	ardinal Labora	tories					
Inorganic Compounds									
Chloride	48.0	16.	0 mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1							
Benzene*	< 0.050	0.05	0 mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Toluene*	< 0.050	0.05	0 mg/kg	50	4060735	ЈН	08-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.05	0 mg/kg	50	4060735	ЈН	08-Jun-24	8021B	
Total Xylenes*	< 0.150	0.15	0 mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Total BTEX	< 0.300	0.30	0 mg/kg	50	4060735	ЛН	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)	L. L	10 % 71	5-134	4060735	ЛН	08-Jun-24	8021B	
<u>Petroleum Hydrocarbons by</u>	GC FID								
GRO C6-C10*	<10.0	10.	0 mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.	0 mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.	0 mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane		1	48	2-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		1	<i>49.</i>	1-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22,	2/25/23,:	2	Reported: 28-Jun-24 15:	38
				) SURF 260-03 (So						
			112-10.	200 00 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	30000		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		114 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				17 @ 1 260-04 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	4400		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060735	JH	08-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		120 %	71.5	-134	4060735	JH	08-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			113 %	48.2	-134	4060719	MS	08-Jun-24	8015B	_
Surrogate: 1-Chlorooctadecane			114 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 1Project Manager:Cliff BrunsonFax To:(575) 397-0397								38
		I	SP 17@2 1243260-05 (S						
Analyte	Result	Reportir MDL Limit	ug Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Ca	rdinal Labora	tories					
Inorganic Compounds									
Chloride	3520	16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	1							
Benzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060736	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)	11	2 % 71.5	5-134	4060736	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane		11	0% 48.2	2-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		11	1% 49.1	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241								Reported: 28-Jun-24 15:	38	
				17 @ 3' 260-06 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
<u>Inorganic Compounds</u> Chloride	464		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		113 %	71.5	-134	4060736	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			85.6 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			85.9 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 19Project Manager:Cliff BrunsonFax To:(575) 397-0397								
			SP 17 @ 4' 43260-07 (So	oil)					
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Card	inal Laborat	ories					
Inorganic Compounds Chloride	96.0	16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
			iiig/kg	4	4001058	AC	10-Juli-24	4500-СР-В	
Volatile Organic Compounds Benzene*			ma/Ira	50	4060736	Л	10-Jun-24	8021B	
Toluene*	<0.050 <0.050	0.050 0.050	mg/kg mg/kg	50	4060736	Л	10-Jun-24	8021B 8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4060736	л	10-Jun-24	8021B 8021B	
Total Xylenes*	<0.050	0.030	mg/kg	50	4060736	л	10-Jun-24	8021B	
Total BTEX	<0.150	0.100	mg/kg	50	4060736	Л	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL		120 9		-134	4060736	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane		102 9	% 48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		98.9 9	% 49.1	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241								Reported: 28-Jun-24 15:	38	
				ā) SURF 260-08 (So						
			11245	200-00 (50	,iii)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	15000		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Ph	D)		122 %	71.5	-134	4060736	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 18Project Manager:Cliff BrunsonFax To:(575) 397-0397								Reported: 28-Jun-24 15:	38
				18 @ 1 260-09 (So						
			112 10		, <b>n</b> ,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	608		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		113 %	71.5	-134	4060736	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			113 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 1Project Manager:Cliff BrunsonFax To:(575) 397-0397								38
			SP 18 @ 2' 43260-10 (So						
Analyte	Result	MDL Reporting	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardi	inal Laborat	ories					
Inorganic Compounds									
Chloride	368	16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8021	l							
Benzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)	114 9	% 71.5	-134	4060736	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane		106 9	% 48.2·	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		105 9	% 49.1-	-148	4060719	MS	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	<b>, , , , , , , , , ,</b>								Reported: 28-Jun-24 15:3	38
				18 @ 3' 260-11 (So						
				(	)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		112 %	71.5	-134	4060736	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			98.4 %	48.2	-134	4060719	MS	08-Jun-24	8015B	_
Surrogate: 1-Chlorooctadecane			95.9 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241								Reported: 28-Jun-24 15:3	38	
				18 @ 4 260-12 (So						
			Reporting							
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		109 %	71.5	-134	4060736	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	4060719	MS	08-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15Project Manager:Cliff BrunsonFax To:(575) 397-0397								38	
				) SURF 260-13 (Se						
					,)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	9900		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		114 %	71.5	-134	4060736	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	43.4		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	QM-07
EXT DRO >C28-C36	18.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397										
			2 19 @ 1 260-14 (So								
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	tories							
Inorganic Compounds											
Chloride	896	16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B			
Volatile Organic Compounds	s by EPA Method 8021										
Benzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	D)	108 %	71.5	-134	4060736	JH	10-Jun-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctane		128 %	48.2	-134	4060720	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctadecane		132 %	49.1	-148	4060720	MS	10-Jun-24	8015B			

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				19 @ 2 260-15 (So						
					,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	528		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		112 %	71.5	-134	4060736	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			129 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			139 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397										
			9 19 @ 3 9260-16 (Se								
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	ories							
Inorganic Compounds											
Chloride	416	16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B			
Volatile Organic Compound	s by EPA Method 8021										
Benzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	(D)	107 %	71.5	-134	4060736	JH	10-Jun-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctane		134 %	48.2	-134	4060720	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctadecane		139 %	49.1	-148	4060720	MS	10-Jun-24	8015B			

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				19 @ 4' 260-17 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	128		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		106 %	71.5	-134	4060736	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			108 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

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				ā) SURF 260-18 (So							
			11245	200-10 (50	,m)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	3920		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 80	21									
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)		111 %	71.5	-134	4060736	ЛН	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			122 %	48.2	-134	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			123 %	49.1	-148	4060720	MS	10-Jun-24	8015B		

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			20 @ 1 3260-19 (So								
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	tories							
Inorganic Compounds			-		10.01.000						
Chloride	1380	16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B			
Volatile Organic Compounds	s by EPA Method 8021										
Benzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	D)	112 %	71.5	-134	4060736	JH	10-Jun-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctane		119 %	48.2	-134	4060720	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctadecane		122 %	49.1	-148	4060720	MS	10-Jun-24	8015B			

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			SP 20 @ 2 243260-20 (Se							
Analyte	Result	Reporting MDL Limit		Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Caro	dinal Laborat	ories						
Inorganic Compounds										
Chloride	928	16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 802	1								
Benzene*	< 0.050	0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060736	ЈН	10-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060736	ЈН	10-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4060736	ЛН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)	105	% 71.5	-134	4060736	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane		127	48.2	-134	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane		135	% 49.1	-148	4060720	MS	10-Jun-24	8015B		

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				20 @ 3 260-21 (So						
				(	)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		103 %	71.5	-134	4060736	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			118 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			128 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

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				20 @ 4 260-22 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	ЈН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	D)		104 %	71.5	-134	4060736	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

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				) SURF 260-23 (So							
					,)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	8400		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 80	21									
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060736	ЛН	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	JH	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		106 %	71.5	-134	4060736	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	4060720	MS	10-Jun-24	8015B		

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				21 @ 1 260-24 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	1380		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060736	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060736	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		102 %	71.5	-134	4060736	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			122 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			125 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
			21 @ 2 260-25 (So							
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardin	al Laborat	ories						
Inorganic Compounds										
Chloride	1280	16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8021	l								
Benzene*	< 0.050	0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060737	ЛН	10-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4060737	ЛН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)	104 %	71.5	-134	4060737	ЈН	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane		125 %	48.2	-134	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane		130 %	49.1	-148	4060720	MS	10-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num roject Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				21 @ 3' 260-26 (So						
					,)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	624		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		109 %	71.5	-134	4060737	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	11-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	4060720	MS	11 <b>-</b> Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			86.1 %	49.1	-148	4060720	MS	11-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:3Project Manager:Cliff BrunsonFax To:(575) 397-0397								
				21 @ 4' 260-27 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds	~ <b>~</b> ~		16.0			40(1022	ID (	10 1 24	4500 CL D	
Chloride	672		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		107 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			127 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			133 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397								Reported: 28-Jun-24 15:38		
				@_SURF 260-28 (So							
			П243	200-28 (50	)11)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	tories						
Inorganic Compounds											
Chloride	320		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 802	1									
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	ЈН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PII	D)		108 %	71.5	-134	4060737	ЈН	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			108 %	48.2	-134	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			119 %	49.1	-148	4060720	MS	10-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:38		
				22 @ 1 260-29 (So							
					,,,,,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	ıl Laborat	ories						
Inorganic Compounds											
Chloride	3040		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	ЛН	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	ЛН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)		106 %	71.5	-134	4060737	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			107 %	48.2	-134	4060720	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	4060720	MS	10-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:CEDAR CANYON WTFReportedProject Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24Project Manager:Cliff BrunsonFax To:(575) 397-0397								
				22 @ 2 260-30 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		105 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			112 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			118 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				22 @ 3 260-31 (So						
			11245	200-51 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	4061024	HM	11-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		105 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			134 %	48.2	-134	4060720	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			142 %	49.1	-148	4060720	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:3	38
				22 @ 4' 260-32 (So						
					)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		104 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4061001	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4061001	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4061001	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			123 %	48.2	-134	4061001	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	4061001	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				22 @ 5 260-33 (So						
			Reporting							
Analyte	Result	MDL	Ĺimit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		106 %	71.5	-134	4060737	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			96.9 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff	5/22,7/22/2					38
				a) SURF						
			H243.	260-34 (So	)))					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1320		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		104 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	46.2		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	14.2		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			102 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			130 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nur Project Man	nber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
			23 @ 1 3260-35 (So						
Analyte	Result N	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardin	al Laborat	tories					
Inorganic Compounds									
Chloride	192	16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8021								
Benzene*	< 0.050	0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060737	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)	103 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane		99.5 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		122 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				23 @ 2' 260-36 (So						
			11245	200-20 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		104 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			99.8 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			129 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				23 @ 3' 260-37 (So						
					,)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		104 %	71.5	-134	4060737	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			131 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				a) SURF						
			H243.	260-38 (So	)))					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	37600		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		105 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	84.5		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	31.3		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.5 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			114 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397									38
				24 @ 1 260-39 (So						
			Reporting		,					
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	6000		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		106 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			104 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			130 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
			24 @ 29 5260-40 (So								
Analyte	Result N	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	ories							
Inorganic Compounds											
Chloride	1300	16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B			
Volatile Organic Compounds	by EPA Method 8021										
Benzene*	< 0.050	0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4060737	ЈН	10-Jun-24	8021B			
Surrogate: 4-Bromofluorobenzene (PL	D)	105 %	71.5	-134	4060737	JH	10-Jun-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctane		91.2 %	48.2	-134	4060721	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctadecane		113 %	49.1	-148	4060721	MS	10-Jun-24	8015B			

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 15:38		
				24 @ 3' 260-41 (So						
			11245	200-41 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	336		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Ph	D)		101 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			130 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	iber: 7/1! iger: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 15:38			
				24 @ 4 260-42 (So							
					,,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	48.0		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	ЈН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	(D)		105 %	71.5	-134	4060737	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			96.8 %	48.2	-134	4060721	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4060721	MS	10-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397									38
				a) SURF						
			H243	260-43 (So	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	5360		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		108 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			74.0 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			94.7 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:         CEDAR CANYON WTF         Reported:           Project Number:         7/15/22,7/22/22,8/25/22,2/25/23,:         28-Jun-24 15:38           Project Manager:         Cliff Brunson         Fax To:           Fax To:         (575) 397-0397         29-Jun-24 15:38									
				25 @ 1' 260-44 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	2400		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060737	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		105 %	71.5	-134	4060737	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			97.3 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 15:38		
				25 @ 2 260-45 (So						
			П245	200-43 (30	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1400		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		102 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			99.9 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			124 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: ?8-Jun-24 15:	38
				25 @ 3' 260-46 (So						
			11240	200 00 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	480		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Ph	ID)		100 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			103 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			129 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				25 @ 4 260-48 (So							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	al Laborat	ories						
Inorganic Compounds			16.0		4	4061039	AC	10-Jun-24	4500-Cl-B		
Chloride	80.0		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-CI-B		
Volatile Organic Compound	s by EPA Method 802	1									
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЛН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	(D)		99.9 %	71.5	-134	4060738	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4060721	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			138 %	49.1	-148	4060721	MS	10-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	5 Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: 28-Jun-24 15:38									
			H243	260-49 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		99.3 %	71.5	-134	4060738	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			102 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: 28-Jun-24 15									
				a) SURF						
			H243.	260-50 (Se	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	6400		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		103 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	<50.0		50.0	mg/kg	5	4060721	MS	11-Jun-24	8015B	
DRO >C10-C28*	16100		50.0	mg/kg	5	4060721	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	5680		50.0	mg/kg	5	4060721	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctane			124 %	48.2	-134	4060721	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			409 %	49.1	-148	4060721	MS	11 <b>-</b> Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	nber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				26 @ 1' 260-51 (So						
			11243	200-51 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	4080		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		98.9 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									S-04
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	2240		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	778		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			107 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			164 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	nber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				26 @ 2 260-52 (So						
			П243	200-32 (30	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	6500		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		98.3 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			111 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			141 %	49.1	-148	4060721	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			oject Nun ject Mana	nber: 7/15 ager: Cliff	AR CANYO 5/22,7/22/2 Brunson 5) 397-0392	22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:3	38
				26 @ 3' 5260-53 (So						
Analyte	Result	R MDL	eporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	ories					
Inorganic Compounds						10.010.00				
Chloride	304		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		97.8 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			90.1 %	48.2	-134	4060721	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			117 %	49.1-	-148	4060721	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			oject Num ject Mana	ber: 7/15 ager: Cliff	AR CANYO 5/22,7/22/2 Brunson 5) 397-0392	22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				26 @ 4' 260-54 (So						
Analyte	Result	R6 MDL	porting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		97.9 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			94.1 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			88.1 %	49.1-	-148	4060722	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				26 @ 5' 260-55 (So						
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		97.5 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	27.7		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			115 %	48.2	-134	4060722	MS	10-Jun-24	8015B	_
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				@ SURF 260-56 (So						
					,)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	20600		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	(D)		99.3 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	5690		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	1350		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			148 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: ?8-Jun-24 15:	38
				27 @ 1' 260-57 (So						
			11243	200-37 (30	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	7800		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		99.8 %	71.5	-134	4060738	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	24.7		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			129 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				27 @ 2 260-58 (So						
			11245	200-38 (30	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	6200		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.8 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	4060722	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			83.2 %	49.1	-148	4060722	MS	11-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				27 @ 3' 260-59 (So						
			11243	200-57 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	848		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		98.4 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			131 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			123 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

### Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:3	38
				27 @ 4 260-60 (So						
			112-157	200 00 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		97.6 %	71.5	-134	4060738	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
DRO >C10-C28*	13.2		10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctane			91.9 %	48.2	-134	4060722	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			81.2 %	49.1	-148	4060722	MS	11-Jun-24	8015B	

#### **Cardinal Laboratories**

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			oject Nun ject Mana	nber: 7/15 ager: Cliff	AR CANYO 5/22,7/22/2 Brunson 5) 397-0392	22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				27 @ 5' 260-61 (So						
			11243	200-01 (30	, m)					
Analyte	Result	Ro MDL	porting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	[								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		97.6 %	71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	23.6		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			125 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1-	-148	4060722	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	nber: 7/1 ager: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15	:38
				a) SURF						
			H243	260-62 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	16800		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC
Total Xylenes*	0.371		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1
Total BTEX	0.371		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (P.	ID)		130 %	71.5	-134	4060738	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	136		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
DRO >C10-C28*	37300		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	8210		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctane			149 %	48.2	-134	4060722	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			940 %	49.1	-148	4060722	MS	11-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241 Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: 28-Jun-24 15:38 Project Manager: Cliff Brunson Fax To: (575) 397-0397 SP 28 @ 1' H243260-63 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds	••••		16.0			40(1040	10	10 1 24	4500 CL D		
Chloride	2080		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method	8021								S-04	
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC	
Total Xylenes*	0.231		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1	
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	ЛН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)	)		145 %	71.5	-134	4060738	ЈН	10-Jun-24	8021B		
Petroleum Hydrocarbons by C	GC FID										
GRO C6-C10*	67.5		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
DRO >C10-C28*	4050		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	852		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			95.5 %	48.2	-134	4060722	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	4060722	MS	10-Jun-24	8015B		

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nu Project Ma	roject: CED Imber: 7/1! nager: Cliff ax To: (57!	5/22,7/22/2 Brunson	22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
			P 28 @ 2' 13260-64 (So						
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
		Cardi	nal Laborat	ories					
Inorganic Compounds									
Chloride	1380	16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802								
Benzene*	< 0.050	0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)	97.2 %	6 71.5	-134	4060738	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane		94.6 %	6 48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		85.2 %	<i>49.1</i>	-148	4060722	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:33Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				28 @ 3' 260-65 (So							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	464		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 802	1									
Benzene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4060738	ЛН	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.2 %	71.5	-134	4060738	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			101 %	48.2	-134	4060722	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			92.5 %	49.1	-148	4060722	MS	10-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				28 @ 4 260-66 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		90.2 %	71.5	-134	4061003	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			93.4 %	48.2	-134	4060722	MS	10-Jun-24	8015B	_
Surrogate: 1-Chlorooctadecane			85.4 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 28-Jun-24 15:	38
				28 @ 5 260-67 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		91.3 %	71.5	-134	4061003	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	14.8		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			65.3 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			54.1 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397									Reported: 28-Jun-24 15:38		
				a) SURF								
			H243	260-68 (So	oil)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	al Laborat	ories							
Inorganic Compounds												
Chloride	8560		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B			
Volatile Organic Compounds	by EPA Method 80	21										
Benzene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Surrogate: 4-Bromofluorobenzene (PII	))		88.4 %	71.5	-134	4061003	JH	10-Jun-24	8021B			
Petroleum Hydrocarbons by	GC FID									S-06		
GRO C6-C10*	<100		100	mg/kg	10	4060722	MS	11-Jun-24	8015B			
DRO >C10-C28*	28100		100	mg/kg	10	4060722	MS	11-Jun-24	8015B			
EXT DRO >C28-C36	8650		100	mg/kg	10	4060722	MS	11-Jun-24	8015B			
Surrogate: 1-Chlorooctane			164 %	48.2	-134	4060722	MS	11-Jun-24	8015B			
Surrogate: 1-Chlorooctadecane			841 %	49.1	-148	4060722	MS	11-Jun-24	8015B			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project:         CEDAR CANYON WTF         Reported:           Project Number:         7/15/22,7/22/22,8/25/22,2/25/23,:         28-Jun-24 15:38           Project Manager:         Cliff Brunson         Fax To:         (575) 397-0397									
				29 @ 1' 260-69 (So							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	3600		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 802	21									
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)		88.4 %	71.5	-134	4061003	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			118 %	48.2	-134	4060722	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	4060722	MS	10-Jun-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1! ger: Cliff		22,8/25/22	,2/25/23,:	2	Reported: 8-Jun-24 15:	38
				29 @ 2 260-70 (So						
			112-55	200-70 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1310		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		85.8 %	71.5	-134	4061003	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			100 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			89.5 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397						2	Reported: 28-Jun-24 15:	38
				29 @ 3 260-71 (So						
			11243	200-71 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		89.5 %	71.5	-134	4061003	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			91.0 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			85.8 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/1 ger: Cliff		22,8/25/22	,2/25/23,:	Reported: 28-Jun-24 15:38		
				29 @ 4' 260-72 (So						
					,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		90.9 %	71.5	-134	4061003	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	42.8		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			112 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:3Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				a) SURF 260-73 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7500		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	QM-07
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	ЈН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Ph	ID)		88.7 %	71.5	-134	4061003	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2	-134	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			97.5 %	49.1	-148	4060722	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397						2	Reported: 28-Jun-24 15:	38
				30 @ 1 260-74 (So						
			11240	200 /4 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	2200		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	ЈН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		88.4 %	71.5	-134	4061003	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			83.4 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			74.7 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				30 @ 2 260-75 (So						
			11245	200-13 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1700		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		88.9 %	71.5	-134	4061003	ЈН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			82.8 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			72.2 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				30 @ 3 260-76 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	624		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		88.9 %	71.5	-134	4061003	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			78.6 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			72.4 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				30 @ 4' 260-77 (So						
					,)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		89.3 %	71.5	-134	4061003	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	11-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctane			73.3 %	48.2	-134	4060723	MS	11-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			64.3 %	49.1	-148	4060723	MS	11-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
			9 30 @ 5 3260-78 (Se							
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardin	al Laborat	tories						
Inorganic Compounds										
Chloride	400	16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 802	1								
Benzene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)	90.0 %	71.5	-134	4061003	ЈН	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane		76.6 %	48.2	-134	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane		69.1 %	49.1	-148	4060723	MS	10-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:         CEDAR CANYON WTF         Reported:           Project Number:         7/15/22,7/22/22,8/25/22,2/25/23,:         28-Jun-24 15:38           Project Manager:         Cliff Brunson         Fax To:         (575) 397-0397									
			1 @ SURF							
		H2	243260-79 (Se	)						
Analyte	Result	MDL Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Card	linal Laborat	tories						
Inorganic Compounds										
Chloride	23600	16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 802	1								
Benzene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)	85.6	% 71.5	-134	4061003	JH	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
DRO >C10-C28*	807	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	373	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane		90.1	% 48.2	-134	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane		93.2	% 49.1	-148	4060723	MS	10-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				31 @ 1 260-80 (So						
			11273	200-00 (30	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1040		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		88.1 %	71.5	-134	4061003	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	39.1		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			81.7 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			77.4 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397										
			2 31 @ 2 3260-81 (So								
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	ories							
Inorganic Compounds											
Chloride	960	16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B			
Volatile Organic Compounds	by EPA Method 8021										
Benzene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	D)	88.6 %	71.5	-134	4061003	JH	10-Jun-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctane		90.3 %	48.2	-134	4060723	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctadecane		84.1 %	49.1	-148	4060723	MS	10-Jun-24	8015B			

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397										
				31 @ 3' 260-82 (So							
				(	)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	480		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 80	)21									
Benzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4061003	JH	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		88.4 %	71.5	-134	4061003	ЛН	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			81.1 %	48.2	-134	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			73.7 %	49.1	-148	4060723	MS	10-Jun-24	8015B		

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			9 31 @ 4 260-83 (Se								
				,)							
Analyte	Result	MDL Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	tories							
Inorganic Compounds											
Chloride	176	16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B			
Volatile Organic Compound	s by EPA Method 8021										
Benzene*	< 0.050	0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4061003	JH	10-Jun-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4061003	ЛН	10-Jun-24	8021B			
Surrogate: 4-Bromofluorobenzene (PL	ID)	88.5 %	71.5	-134	4061003	ЛН	10-Jun-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctane		63.5 %	48.2	-134	4060723	MS	10-Jun-24	8015B			
Surrogate: 1-Chlorooctadecane		57.1 %	49.1	-148	4060723	MS	10-Jun-24	8015B			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:       CEDAR CANYON WTF       Reported:         Project Number:       7/15/22,7/22/22,8/25/22,2/25/23,:       28-Jun-24 15:38         Project Manager:       Cliff Brunson       5'         SP 31 @ 5'       1243260-84 (Soil)       1243260-84 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	144		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061004	JH	10-Jun-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4061004	JH	10-Jun-24	8021B		
Surrogate: 4-Bromofluorobenzene (PIL	))		108 %	71.5	-134	4061004	ЈН	10-Jun-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctane			66.0 %	48.2	-134	4060723	MS	10-Jun-24	8015B		
Surrogate: 1-Chlorooctadecane			59.9 %	49.1	-148	4060723	MS	10-Jun-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:         CEDAR CANYON WTF         Reported:           Project Number:         7/15/22,7/22/22,8/25/22,2/25/23,:         28-Jun-24 15:38           Project Manager:         Cliff Brunson         Fax To:         (575) 397-0397									
				a) SURF 260-85 (So						
			П245.	200-03 (30	)11)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	21600		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4061004	ЛН	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		108 %	71.5	-134	4061004	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	109		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	98.8		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			80.0 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			74.3 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/15/22,7/22/22,8/25/22,2/25/23,:28-Jun-24 15:38Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				32 @ 1' 260-86 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	2280		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 802	1								
Benzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		108 %	71.5	-134	4061004	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	53.3		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	12.8		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			81.4 %	48.2	-134	4060723	MS	10-Jun-24	8015B	_
Surrogate: 1-Chlorooctadecane			79.1 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397						Reported: 28-Jun-24 15:38		
				32 @ 2 260-87 (So						
			112-13	200 07 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	4800		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	)21								
Benzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061004	ЛН	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061004	ЛН	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061004	ЛН	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061004	ЛН	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		109 %	71.5	-134	4061004	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			81.2 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			73.8 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		<b>, , , , , , , , , ,</b>						Reported: 8-Jun-24 15:	38	
				32 @ 3' 260-88 (So						
			11243	200-00 (30	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	480		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	ID)		108 %	71.5	-134	4061004	JH	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	18.1		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			86.6 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			80.5 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241							Reported: 8-Jun-24 15:	38		
				32 @ 4 260-89 (So						
					,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		108 %	71.5	-134	4061004	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			91.7 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			85.5 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241							Reported: 28-Jun-24 15:	38		
				32 @ 5 260-90 (So						
			11240	200 20 (50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4061004	JH	10-Jun-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		108 %	71.5	-134	4061004	ЛН	10-Jun-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			64.0 %	48.2	-134	4060723	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			58.0 %	49.1	-148	4060723	MS	10-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805	Project Number:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,:	Reported: 28-Jun-24 15:38
Hobbs NM, 88241	Project Manager:	Cliff Brunson	
	Fax To:	(575) 397-0397	

### **Inorganic Compounds - Quality Control**

		Cardir	nal Lab	oratories						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4061022 - 1:4 DI Water	Result	Dinit	Onto	Lever	result	/ulle	Linno	Id D	Linit	110105
Blank (4061022-BLK1)				Prepared &	Analyzed:	10-Jun-24				
Chloride	ND	16.0	mg/kg	*						
LCS (4061022-BS1)				Prepared &	Analyzed:	10-Jun-24				
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (4061022-BSD1)				Prepared &	Analyzed:	10-Jun-24				
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
Batch 4061024 - 1:4 DI Water										
Blank (4061024-BLK1)				Prepared &	Analyzed:	10-Jun-24				
Chloride	ND	16.0	mg/kg							
LCS (4061024-BS1)				Prepared &	Analyzed:	10-Jun-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4061024-BSD1)				Prepared &	Analyzed:	10-Jun-24				
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
Batch 4061038 - 1:4 DI Water										
Blank (4061038-BLK1)				Prepared &	Analyzed:	10-Jun-24				
Chloride	ND	16.0	mg/kg							
LCS (4061038-BS1)				Prepared &	Analyzed:	10-Jun-24				

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

Ibaryability Control         Cardin 2 biothore         Analyte       Reporting Result       Spike Units       Suree Suree Result       %REC       %REC       MREC       RPD Limit       Notes         Batch 4061038 - 1:4 DI Water         ICS Dup (4061038-BSDI)       Prepared & Analyzet: 10-Jun-24         Colspan="6">Colspan="6"Colspan="6">Colspan="6"Colspan="6"Colspan="6">Colspan="6"Col	BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nu Project Ma	umber: inager:	CEDAR CAN 7/15/22,7/2 Cliff Brunson (575) 397-0		23,:	Reported: 28-Jun-24 15:38			
Analyte         Reporting Limit         Spike Units         Source Result         %REC         RPD Limits         RPD RPD         Limit         Notes           Batch 4061038 - 1:4 DI Water         I.G.0         mg/kg         Heavel		Inor	rganic Com	pounds	- Quality	Control					
Analyte         Result         Limit         Units         Level         Result         %REC         Limits         RPD         Limit         Notes           Batch 4061038 - 1:4 DI Water         Clos Dup (4061038 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         Clos Dup (4061038 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         Solar         3.77         20           Batch 4061039 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         Solar         3.77         20           Batch 4061039 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         Solar         3.77         20           Batch 4061039 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         Solar         Solar         Solar         Solar           Black (4061039-BSL1)         Prepared & Analyzed: 10-Jun-24         Solar         Solar         Solar         Solar           LCS Dup (4061039-BSD1)         Prepared & Analyzed: 10-Jun-24         Prepared & Analyzed: 10-Jun-24         Solar         Solar         Solar         Solar           Black (4061040 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         Prepared & Analyzed: 10-Jun-24         Solar         Solar         Solar         Solar           Black (4061040 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         Prepared & Analyzed: 10-Jun-24         Solar <t< th=""><th></th><th></th><th>Cardir</th><th>nal Lab</th><th>oratories</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>			Cardir	nal Lab	oratories						
LCS Dup (4061038-BSD1)         Prepared & Analyzed: 10-Jun-24           Chloride         432         16.0         mg/kg         400         108         80-120         3.77         20           Batch 4061039 - 1:4 DI Water         Blank (4061039-BLK1)         Prepared & Analyzed: 10-Jun-24                      20              20           20           3.77         20            20           20           20           20           20           20           20            20               20                20              20            20             20           <	Analyte	Result		Units	•		%REC		RPD		Notes
Chloride       432       16.0       mg/kg       400       108       80-120       3.77       20         Batch 4061039 - 1:4 DI Water       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24       V	Batch 4061038 - 1:4 DI Water										
Batch 4061039 - 1:4 DI Water         Bark 4061039 - B.14 DI Water         Prepared & Analyzed: 10 - Jun-24         Chloride       ND       16.0       mg/kg         Depared & Analyzed: 10 - Jun-24         Chloride       Prepared & Analyzed: 10 - Jun-24         Cloride       Prepared & Analyzed	LCS Dup (4061038-BSD1)				Prepared &	Analyzed:	10-Jun-24				
Blank (4061039-BLK1)         Prepared & Analyzed: 10-Jun-24           Chloride         ND         16.0         mg/kg           LCS (4061039-BS1)         Prepared & Analyzed: 10-Jun-24           Chloride         416         16.0         mg/kg           LCS Dup (4061039-BSD1)         Prepared & Analyzed: 10-Jun-24           LCS Dup (4061039-BSD1)         Prepared & Analyzed: 10-Jun-24           Chloride         400         16.0         mg/kg           Blank (4061040 - 1:4 DI Water         Prepared & Analyzed: 10-Jun-24         20           Blank (4061040-BLK1)         Prepared & Analyzed: 10-Jun-24         20           Chloride         ND         16.0         mg/kg         400         100         80-120         3.92         20           Blank (4061040-BLK1)         Prepared & Analyzed: 10-Jun-24          100         100         80-120         3.92         20           Chloride         ND         16.0         mg/kg         400         100         80-120         3.92         20           LCS (4061040-BS1)         Prepared & Analyzed: 10-Jun-24          100         104         80-120         100           LCS Dup (4061040-BSD1)         Prepared & Analyzed: 10-Jun-24          100         108	Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Chloride       ND       16.0       mg/kg         LCS (4061039-BS1)       Prepared & Analyzed: 10-Jun-24         Chloride       416       16.0       mg/kg       400       104       80-120         LCS Dup (4061039-BSD1)       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24       Vertice       Veri	Batch 4061039 - 1:4 DI Water										
Chloride       ND       16.0       mg/kg         LCS (4061039-BS1)       Prepared & Analyzed: 10-Jun-24         Chloride       416       16.0       mg/kg       400       104       80-120         LCS Dup (4061039-BSD1)       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24       Vertice       Veri	Blank (4061039-BLK1)				Prepared &	Analyzed:	10-Jun-24				
Chloride       416       16.0       mg/kg       400       104       80-120         LCS Dup (4061039-BSD1)       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24       20         Batch 4061040 - 1:4 DI Water       97<		ND	16.0	mg/kg							
LCS Dup (4061039-BSD1)       Prepared & Analyzed: 10-Jun-24         Chloride       400       16.0       mg/kg       400       100       80-120       3.92       20         Batch 4061040 - 1:4 DI Water       Prepared & Analyzed: 10-Jun-24       Vertical State       V	LCS (4061039-BS1)				Prepared &	Analyzed:	10-Jun-24				
Chloride       400       16.0       mg/kg       400       100       80-120       3.92       20         Batch 4061040 - 1:4 DI Water       Prepared & Analyzed: 10-Jun-24         Blank (4061040-BLK1)       Prepared & Analyzed: 10-Jun-24       V	Chloride	416	16.0	mg/kg	400		104	80-120			
Batch 4061040 - 1:4 DI Water         Blank (4061040 - BLK1)       Prepared & Analyzed: 10-Jun-24         Chloride       ND       16.0       mg/kg         LCS (4061040-BS1)       Prepared & Analyzed: 10-Jun-24       V         Chloride       416       16.0       mg/kg       400       104       80-120         LCS 0up (4061040-BSD1)       Prepared & Analyzed: 10-Jun-24       V       V       V       V         Chloride       432       16.0       mg/kg       400       108       80-120       3.77       20         Batch 4061041 - 1:4 DI Water       U       U       U       U       U       U       U       U	LCS Dup (4061039-BSD1)				Prepared &	Analyzed:	10-Jun-24				
Blank (4061040-BLK1)       Prepared & Analyzed: 10-Jun-24         Chloride       ND       16.0       mg/kg         LCS (4061040-BS1)       Prepared & Analyzed: 10-Jun-24         Chloride       416       16.0       mg/kg       400       104       80-120         LCS Dup (4061040-BSD1)       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24         Chloride       432       16.0       mg/kg       400       108       80-120       3.77       20         Batch 4061041 - 1:4 DI Water       Here	Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
Chloride       ND       16.0       mg/kg         LCS (4061040-BS1)       Prepared & Analyzed: 10-Jun-24         Chloride       416       16.0       mg/kg       400       104       80-120         LCS Dup (4061040-BSD1)       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24       20         Chloride       432       16.0       mg/kg       400       108       80-120       3.77       20         Batch 4061041 - 1:4 DI Water       Here       Here       Here       Here       Here       Here	Batch 4061040 - 1:4 DI Water										
LCS (4061040-BS1)       Prepared & Analyzed: 10-Jun-24         Chloride       416       16.0       mg/kg       400       104       80-120         LCS Dup (4061040-BSD1)       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24         Chloride       432       16.0       mg/kg       400       108       80-120       3.77       20         Batch 4061041 - 1:4 DI Water       Image: State Sta	Blank (4061040-BLK1)				Prepared &	Analyzed:	10-Jun-24				
Chloride       416       16.0       mg/kg       400       104       80-120         LCS Dup (4061040-BSD1)       Prepared & Analyzed: 10-Jun-24       Prepared & Analyzed: 10-Jun-24       20         Chloride       432       16.0       mg/kg       400       108       80-120       3.77       20         Batch 4061041 - 1:4 DI Water       U       U       U       U       U       U       U	Chloride	ND	16.0	mg/kg							
LCS Dup (4061040-BSD1)         Prepared & Analyzed: 10-Jun-24           Chloride         432         16.0         mg/kg         400         108         80-120         3.77         20           Batch 4061041 - 1:4 DI Water	LCS (4061040-BS1)				Prepared &	Analyzed:	10-Jun-24				
Chloride         432         16.0 mg/kg         400         108         80-120         3.77         20           Batch 4061041 - 1:4 DI Water         Image: Comparison of the second	Chloride	416	16.0	mg/kg	400		104	80-120			
Chloride         432         16.0 mg/kg         400         108         80-120         3.77         20           Batch 4061041 - 1:4 DI Water         Image: Comparison of the second	LCS Dup (4061040-BSD1)				Prepared &	z Analyzed:	10-Jun-24				
		432	16.0	mg/kg	-	<u> </u>		80-120	3.77	20	
Blank (4061041-BLK1) Prepared & Analyzed: 10-Jun-24	Batch 4061041 - 1:4 DI Water										
$\mathbf{v}$ , $\mathbf{v}$	Blank (4061041-BLK1)				Prepared &	Analyzed:	10-Jun-24				
Chloride ND 16.0 mg/kg		ND	16.0	mg/kg		-					

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397							Reported: 28-Jun-24 15:38			
	Ino	rganic Com Cardiı	•	s - Quality boratories	Control						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch 4061041 - 1:4 DI Water											
LCS (4061041-BS1)				Prepared &	Analyzed:	10-Jun-24					
Chloride	432	16.0	mg/kg	400		108	80-120				
LCS Dup (4061041-BSD1)	Prepared & Analyzed: 10-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson	Reported: 28-Jun-24 15:38
	Fax To:	(575) 397-0397	
	P.O. Box 805	P.O. Box 805 Hobbs NM, 88241 Project Number: Project Manager:	P.O. Box 805 Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,

### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### **Cardinal Laboratories**

		Reporting	<b>T T T T</b>	Spike	Source	A/DEC	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060735 - Volatiles										
Blank (4060735-BLK1)				Prepared: 0	7-Jun-24 A	nalyzed: 08	8-Jun-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)	0.0576		mg/kg	0.0500		115	71.5-134			
LCS (4060735-BS1)				Prepared: 0	7-Jun-24 A	nalyzed: 08	3-Jun-24			
Benzene	1.82	0.050	mg/kg	2.00		91.1	82.8-130			
Toluene	1.84	0.050	mg/kg	2.00		91.9	86-128			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.4	85.9-128			
m,p-Xylene	3.80	0.100	mg/kg	4.00		95.1	89-129			
o-Xylene	1.92	0.050	mg/kg	2.00		96.2	86.1-125			
Total Xylenes	5.73	0.150	mg/kg	6.00		95.5	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			
LCS Dup (4060735-BSD1)				Prepared: 0	7-Jun-24 A	nalyzed: 08	3-Jun-24			
Benzene	1.88	0.050	mg/kg	2.00		94.0	82.8-130	3.14	15.8	
Toluene	1.96	0.050	mg/kg	2.00		98.1	86-128	6.57	15.9	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128	8.71	16	
m,p-Xylene	4.18	0.100	mg/kg	4.00		105	89-129	9.42	16.2	
o-Xylene	2.09	0.050	mg/kg	2.00		104	86.1-125	8.18	16.7	
Total Xylenes	6.27	0.150	mg/kg	6.00		104	88.2-128	9.01	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0567		mg/kg	0.0500		113	71.5-134			

### Batch 4060736 - Volatiles

Blank (4060736-BLK1)			Prepared: 07-Jun-24 Analyzed: 10-Jun-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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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
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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
-	Result	Linit	Onits	Lever	Result	70REC	Linits	ICI D	Liint	Trotes
Batch 4060736 - Volatiles										
Blank (4060736-BLK1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0596		mg/kg	0.0500		119	71.5-134			
LCS (4060736-BS1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
Benzene	1.76	0.050	mg/kg	2.00		87.9	82.8-130			
Toluene	1.85	0.050	mg/kg	2.00		92.7	86-128			
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.0	85.9-128			
m,p-Xylene	3.92	0.100	mg/kg	4.00		98.1	89-129			
o-Xylene	1.98	0.050	mg/kg	2.00		98.8	86.1-125			
Total Xylenes	5.90	0.150	mg/kg	6.00		98.3	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0548		mg/kg	0.0500		110	71.5-134			
LCS Dup (4060736-BSD1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
Benzene	1.79	0.050	mg/kg	2.00		89.4	82.8-130	1.75	15.8	
Toluene	1.87	0.050	mg/kg	2.00		93.3	86-128	0.712	15.9	
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.2	85.9-128	0.104	16	
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.7	89-129	0.625	16.2	
o-Xylene	1.97	0.050	mg/kg	2.00		98.7	86.1-125	0.0843	16.7	
Total Xylenes	5.92	0.150	mg/kg	6.00		98.7	88.2-128	0.388	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0548		mg/kg	0.0500		110	71.5-134			
Batch 4060737 - Volatiles										
Blank (4060737-BLK1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID)

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Total Xylenes

Total BTEX

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ND

ND

0.0525

0.150

0.300

mg/kg

mg/kg

mg/kg

0.0500

105

71.5-134

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
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### Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories

		Reporting		Spike	Source		%REC	_	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060737 - Volatiles										
LCS (4060737-BS1)				Prepared: 0	7-Jun-24 A	nalyzed: 1	0-Jun-24			
Benzene	1.92	0.050	mg/kg	2.00		96.0	82.8-130			
Toluene	1.97	0.050	mg/kg	2.00		98.5	86-128			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	3.92	0.100	mg/kg	4.00		97.9	89-129			
p-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125			
Total Xylenes	5.92	0.150	mg/kg	6.00		98.7	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.3	71.5-134			
LCS Dup (4060737-BSD1)				Prepared: 0	7-Jun-24 A	nalyzed: 1	0-Jun-24			
Benzene	1.94	0.050	mg/kg	2.00		96.9	82.8-130	1.00	15.8	
Toluene	2.00	0.050	mg/kg	2.00		100	86-128	1.62	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128	1.15	16	
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.7	89-129	0.801	16.2	
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125	0.849	16.7	
Total Xylenes	5.97	0.150	mg/kg	6.00		99.5	88.2-128	0.817	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.5	71.5-134			
Batch 4060738 - Volatiles										
Blank (4060738-BLK1)				Prepared: 0	7-Jun-24 A	nalyzed: 1	0-Jun-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		98.5	71.5-134			

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
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### Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories

Angleta	D agult	Reporting	Linita	Spike	Source	0/DEC	%REC	רותת	RPD Limit	Natas
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060738 - Volatiles										
LCS (4060738-BS1)				Prepared: 0	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
Benzene	1.88	0.050	mg/kg	2.00		94.2	82.8-130			
Toluene	1.86	0.050	mg/kg	2.00		93.0	86-128			
Ethylbenzene	1.77	0.050	mg/kg	2.00		88.5	85.9-128			
m,p-Xylene	3.51	0.100	mg/kg	4.00		87.7	89-129			BS-
o-Xylene	1.95	0.050	mg/kg	2.00		97.5	86.1-125			
Total Xylenes	5.46	0.150	mg/kg	6.00		91.0	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0482		mg/kg	0.0500		96.4	71.5-134			
LCS Dup (4060738-BSD1)				Prepared: 0	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
Benzene	1.93	0.050	mg/kg	2.00		96.3	82.8-130	2.28	15.8	
Toluene	1.90	0.050	mg/kg	2.00		95.0	86-128	2.12	15.9	
Ethylbenzene	1.82	0.050	mg/kg	2.00		90.8	85.9-128	2.53	16	
m,p-Xylene	3.61	0.100	mg/kg	4.00		90.3	89-129	2.89	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125	2.95	16.7	
Total Xylenes	5.62	0.150	mg/kg	6.00		93.7	88.2-128	2.91	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.6	71.5-134			
Batch 4061003 - Volatiles										
Blank (4061003-BLK1)				Prepared &	Analyzed:	10-Jun-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		89.7	71.5-134			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
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### Volatile Organic Compounds by EPA Method 8021 - Quality Control

<b>Cardinal Laboratories</b>
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Angled		Reporting	II	Spike	Source	0/850	%REC	DDD	RPD Limit	NT /
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4061003 - Volatiles										
LCS (4061003-BS1)				Prepared &	Analyzed:	10-Jun-24				
Benzene	1.83	0.050	mg/kg	2.00		91.7	82.8-130			
Toluene	1.84	0.050	mg/kg	2.00		92.1	86-128			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.4	85.9-128			
m,p-Xylene	3.74	0.100	mg/kg	4.00		93.5	89-129			
o-Xylene	1.83	0.050	mg/kg	2.00		91.3	86.1-125			
Total Xylenes	5.57	0.150	mg/kg	6.00		92.8	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0470		mg/kg	0.0500		94.0	71.5-134			
LCS Dup (4061003-BSD1)				Prepared &	Analyzed:	10-Jun-24				
Benzene	1.79	0.050	mg/kg	2.00		89.5	82.8-130	2.49	15.8	
Toluene	1.77	0.050	mg/kg	2.00		88.4	86-128	4.10	15.9	
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.4	85.9-128	5.38	16	
m,p-Xylene	3.53	0.100	mg/kg	4.00		88.2	89-129	5.86	16.2	BS-
o-Xylene	1.75	0.050	mg/kg	2.00		87.3	86.1-125	4.51	16.7	
Total Xylenes	5.27	0.150	mg/kg	6.00		87.9	88.2-128	5.41	16.3	BS-
Surrogate: 4-Bromofluorobenzene (PID)	0.0452		mg/kg	0.0500		90.5	71.5-134			
Batch 4061004 - Volatiles										
Blank (4061004-BLK1)				Prepared &	Analyzed:	10-Jun-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)	0.0538		mg/kg	0.0500		108	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 28-Jun-24 15:38
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### Volatile Organic Compounds by EPA Method 8021 - Quality Control

### **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4061004 - Volatiles										
LCS (4061004-BS1)				Prepared &	Analyzed:	10-Jun-24				
Benzene	1.97	0.050	mg/kg	2.00		98.7	82.8-130			
Toluene	2.10	0.050	mg/kg	2.00		105	86-128			
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	85.9-128			
m,p-Xylene	4.38	0.100	mg/kg	4.00		110	89-129			
o-Xylene	2.05	0.050	mg/kg	2.00		103	86.1-125			
Total Xylenes	6.43	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	71.5-134			
LCS Dup (4061004-BSD1)				Prepared &	Analyzed:	10-Jun-24				
Benzene	2.06	0.050	mg/kg	2.00		103	82.8-130	4.27	15.8	
Toluene	2.19	0.050	mg/kg	2.00		109	86-128	4.12	15.9	
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	85.9-128	3.62	16	
m,p-Xylene	4.52	0.100	mg/kg	4.00		113	89-129	2.98	16.2	
o-Xylene	2.13	0.050	mg/kg	2.00		107	86.1-125	3.90	16.7	
Total Xylenes	6.65	0.150	mg/kg	6.00		111	88.2-128	3.28	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: 7/1 Project Manager: Clif	EDAR CANYON WTF 15/22,7/22/22,8/25/22,2/25/23,: iff Brunson 75) 397-0397	Reported: 28-Jun-24 15:38
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### Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060719 - General Prep - Organics										
Blank (4060719-BLK1)				Prepared &	a Analyzed:	07-Jun-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	55.8		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			
LCS (4060719-BS1)				Prepared &	Analyzed:	<u>07-Jun-24</u>				
GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123			
DRO >C10-C28	204	10.0	mg/kg	200		102	66.5-118			
Total TPH C6-C28	413	10.0	mg/kg	400		103	77.6-123			
Surrogate: 1-Chlorooctane	53.5		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			
LCS Dup (4060719-BSD1)				Prepared &	Analyzed:	07-Jun-24				
GRO C6-C10	216	10.0	mg/kg	200		108	66.4-123	3.71	17.7	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	1.73	21	
Total TPH C6-C28	424	10.0	mg/kg	400		106	77.6-123	2.74	18.5	
Surrogate: 1-Chlorooctane	63.4		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	61.5		mg/kg	50.0		123	49.1-148			
Batch 4060720 - General Prep - Organics										
Blank (4060720-BLK1)				Prepared: 0	)7-Jun-24 A	nalyzed: 10	0-Jun-24			
CBO C( C10	ND	10.0								

Blank (4060720-BLK1)		Prepared: 07-Jun-24 Analyzed: 10-Jun-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	64.6		mg/kg	50.0	129	48.2-134		
Surrogate: 1-Chlorooctadecane	69.1		mg/kg	50.0	138	49.1-148		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
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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
Batch 4060720 - General Prep - Organics										
LCS (4060720-BS1)				Prepared: (	)7-Jun-24 A	nalvzed: 1	0-Jun-24			
GRO C6-C10	217	10.0	mg/kg	200		109	66.4-123			
DRO >C10-C28	227	10.0	mg/kg	200		114	66.5-118			
Total TPH C6-C28	444	10.0	mg/kg	400		111	77.6-123			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	51.5		mg/kg	50.0		103	49.1-148			
LCS Dup (4060720-BSD1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
GRO C6-C10	214	10.0	mg/kg	200		107	66.4-123	1.49	17.7	
DRO >C10-C28	225	10.0	mg/kg	200		112	66.5-118	1.09	21	
Total TPH C6-C28	439	10.0	mg/kg	400		110	77.6-123	1.29	18.5	
Surrogate: 1-Chlorooctane	49.5		mg/kg	50.0		99.0	48.2-134			
Surrogate: 1-Chlorooctadecane	50.2		mg/kg	50.0		100	49.1-148			
Batch 4060721 - General Prep - Organics										
Blank (4060721-BLK1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-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	55.0		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	68.6		mg/kg	50.0		137	49.1-148			
LCS (4060721-BS1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
GRO C6-C10	190	10.0	mg/kg	200		95.2	66.4-123			
DRO >C10-C28	187	10.0	mg/kg	200		93.5	66.5-118			
Total TPH C6-C28	377	10.0	mg/kg	400		94.4	77.6-123			
	58.0		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0		110	10.2 101			

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### Petroleum Hydrocarbons by GC FID - Quality Control

### **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060721 - General Prep - Organics										
LCS Dup (4060721-BSD1)				Prepared: (	07-Jun-24 A	nalyzed: 1	0-Jun-24			
GRO C6-C10	194	10.0	mg/kg	200		97.1	66.4-123	1.90	17.7	
DRO >C10-C28	188	10.0	mg/kg	200		93.9	66.5-118	0.487	21	
Total TPH C6-C28	382	10.0	mg/kg	400		95.5	77.6-123	1.20	18.5	
Surrogate: 1-Chlorooctane	58.2		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	72.2		mg/kg	50.0		144	49.1-148			
Batch 4060722 - General Prep - Organics										
Blank (4060722-BLK1)				Prepared: (	07-Jun-24 A	nalyzed: 1	0-Jun-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	69.7		mg/kg	50.0		139	48.2-134			S-05
Surrogate: 1-Chlorooctadecane	65.8		mg/kg	50.0		132	49.1-148			
LCS (4060722-BS1)				Prepared: (	07-Jun-24 A	nalyzed: 1	0-Jun-24			
GRO C6-C10	223	10.0	mg/kg	200		112	66.4-123			
DRO >C10-C28	227	10.0	mg/kg	200		114	66.5-118			
Total TPH C6-C28	451	10.0	mg/kg	400		113	77.6-123			
Surrogate: 1-Chlorooctane	75.1		mg/kg	50.0		150	48.2-134			S-05
Surrogate: 1-Chlorooctadecane	72.2		mg/kg	50.0		144	49.1-148			
LCS Dup (4060722-BSD1)				Prepared: (	07-Jun-24 A	nalyzed: 1	0-Jun-24			
GRO C6-C10	228	10.0	mg/kg	200		114	66.4-123	1.88	17.7	
DRO >C10-C28	225	10.0	mg/kg	200		112	66.5-118	1.26	21	
Total TPH C6-C28	452	10.0	mg/kg	400		113	77.6-123	0.307	18.5	
Surrogate: 1-Chlorooctane	76.0		mg/kg	50.0		152	48.2-134			S-02
Surrogate: 1-Chlorooctadecane	71.2		mg/kg	50.0		142	49.1-148			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 28-Jun-24 15:38
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### Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4060723 - General Prep - Organics										
Blank (4060723-BLK1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-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	53.8		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.8	49.1-148			
LCS (4060723-BS1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
GRO C6-C10	187	10.0	mg/kg	200		93.7	66.4-123			
DRO >C10-C28	191	10.0	mg/kg	200		95.6	66.5-118			
Total TPH C6-C28	378	10.0	mg/kg	400		94.6	77.6-123			
Surrogate: 1-Chlorooctane	57.9		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	54.8		mg/kg	50.0		110	49.1-148			
LCS Dup (4060723-BSD1)				Prepared: (	)7-Jun-24 A	nalyzed: 1	0-Jun-24			
GRO C6-C10	198	10.0	mg/kg	200		99.0	66.4-123	5.54	17.7	
DRO >C10-C28	202	10.0	mg/kg	200		101	66.5-118	5.37	21	
Total TPH C6-C28	400	10.0	mg/kg	400		99.9	77.6-123	5.45	18.5	
Surrogate: 1-Chlorooctane	60.2		mg/kg	50.0		120	48.2-134			
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0		111	49.1-148			
Batch 4061001 - General Prep - Organics										
				D	A 1 1.	10 1				

Blank (4061001-BLK1)	Prepared & Analyzed: 10-Jun-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	58.4		mg/kg	50.0	117	48.2-134		
Surrogate: 1-Chlorooctadecane	60.1		mg/kg	50.0	120	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 28-Jun-24 15:38
--	--	------------------------------

### Petroleum Hydrocarbons by GC FID - Quality Control

### **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4061001 - General Prep - Organics										
LCS (4061001-BS1)				Prepared &	Analyzed:	10-Jun-24				
GRO C6-C10	197	10.0	mg/kg	200		98.7	66.4-123			
DRO >C10-C28	212	10.0	mg/kg	200		106	66.5-118			
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.6-123			
Surrogate: 1-Chlorooctane	63.9		mg/kg	50.0		128	48.2-134			
Surrogate: 1-Chlorooctadecane	66.5		mg/kg	50.0		133	49.1-148			
LCS Dup (4061001-BSD1)				Prepared &	Analyzed:	10-Jun-24				
GRO C6-C10	201	10.0	mg/kg	200		100	66.4-123	1.61	17.7	
DRO >C10-C28	218	10.0	mg/kg	200		109	66.5-118	2.92	21	
Total TPH C6-C28	418	10.0	mg/kg	400		105	77.6-123	2.29	18.5	
Surrogate: 1-Chlorooctane	64.1		mg/kg	50.0		128	48.2-134			
Surrogate: 1-Chlorooctadecane	66.0		mg/kg	50.0		132	49.1-148			

### **Cardinal Laboratories**

### \*=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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

### **Cardinal Laboratories**

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



(505) 393-2326 FAX (505) 393-2476		THE WORD DEVILENT
Company Name: BBC International, Inc.		ANALYSIS REQUEST
	P.O. #:	
State: N	VM Zip: 88241 Attn:	
5-397-6388 Fax #:	575-397-0397 Address:	
Project #: Project 0	Project Owner: Oxy City:	
ame: CEDAR CANYON WTF (	122/22,8/25/22,2/25/23,3/6/24) State: Zip:	
Project Location: New Mexico	104 33 Phone#	
Sampler Name: SIMON RENDAN	G Pax 第一	
	)RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER DIL LUDGE THER : CID/BASE: CE / COOL THER : COL THER :	BIEX
11 CU SP 16@4'	L 5/30/24	
C SP 16@5'	5/30/24 9/2/AM	
PLEASE NOTE: Lubility and Damages. Candinal's lability and classifit exclusive to analyses. All claims including those for negligance and any other classifie exclusion en	PLEASE MOTE: Lubbilly and Damages. Candinal's lability and clast's exclusive remedy for any claim aroung whether based in contrad or fort, shall be initiad to the amount paid by the client for the applicable analyses. All claims including these for negligance and any class versions whatever shall be deemed work in stated in the shall be initiad to the amount paid by the client for the analyses. All claims including these for negligance and any class versions ensuing whether bases interruptors, loss of the client based by claims abulantes.	
out of or related to the performance	nac	TYPES INO Add'I Phone #: Yes INO Add'I Fax #: TAPLE CORRECTION.
In	Date: 6-24 Received By: Time: 6-24 Received B	F
Sampler - UPS - Bus - Other. 100		

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

Page 110 of 119

09

ARDINAL LABORATORIES

Received by	OCD:	2/7/2025	6:10:00	РМ	

Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805	2	Company: Oxy	
city: Hobbs st	State: NM Zip: 88241 At		
Phone #: 575-397-6388 Fax #:	575-397-0397	Address:	
Project #: Pro	Project Owner: Oxy Ci	City:	
Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	-	State: Zip:	
Project Location: New Mexico	Idulas Ph		
Sampler Name: SIMON RENDAN	2602	Mag at	
OR LAB USE DULY	MATRIX	PRESERV. SAMPLING	xt
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL QIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER : DATE	BTEX
S SP 17@SURFACE	5	5/30/24 9:	
U SP 17 @ 1'	*	_	
SP 17			
G SP 17 @ 3'			
7 SP 17 @ 4'			
SP 18@SURFACE		5/30/24 11:12AM	
SP 18 @		5/30/24 11:26AM	
0 SP 18 @ 2'		5/30/24 11:42AM	
SP 18 @ 3'		5/30/24 11:56AM	• • •
17 SP 18 @ 41		5/30/24 12:12PM	· · ·
<ul> <li>second parts descripted is warming and page ima including those for negligence and any other ca vent shall Cardenal be liable for incidential or conseq esso(s arising out of or related to the performance or esso(s aris</li></ul>	claim aniwing whether based in cont emed waived unless inade in writing thout limitation, business interruptio small regardless of whethersecoth clu	pact or ton; shall he limited to the amount paid by the client for the and received by Cardinal within 30 days after completion of the applicable rs. loss of use or loss of <b>port</b> excurred by client, its subsidiantes, the stand upon one of the statement at hard statement as the statement as	he applicable rs.
Relinguished By: Date:	Time: 2. A. 24 Received By:	Phone Result: Fax Result: REMARKS:	ult:
Retinquished By: The Date	Date: 6- 24 Received By:	* PV	oject name connection,
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)	Shoakdana (1.310

Page 111 of 119

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Company Name: BBC International Inc.	tional Inc		BILL TO			ANAI VOIS	
	the second se		DITT IO			DIADE I O	O NEWDEOI
Project Manager: Cliff Brunson	1		P.O. #:			-	
Address: P.O. Box 805			Company: Oxy				
city: Hobbs	State: NM	Zip: 88241					
Phone #: 575-397-6388	S1		Address:				
Project #:	Project Owner: Oxy		City:				
Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	WTF (7/15/22,7/22/22,		State: Zip:		٩		
Project Location: New Mexico		10(4)23	Phone #:		l		
Sampler Name: SIMON RENDAN	NDAN		Fax #		í		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	LING	A		
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE		TIME	Chlan BIEX	JEITE	
SP 19@SURFACE		-	5	12:51PM			
SP 19@ 1'			5/30/24	1:07PM	< < <		
S SP 19@ 2'			5/30/24	1:19PM			
SP 19@ 3'			5/30/24	1:32PM	•		
SP 19@ 4'			5/30/24	1:44PM			
	ACE		5/30/24	1:55PM	•		
SP 20@ 1'			5/30/24	2:10PM			
SP 20@ 2'			5/30/24	2:19PM			
SP 20@ 3'			5/30/24	2:31PM	•		
SP 20@ 4"			5/30/24	2:40PM			
	and claaf's exclusive remedy for any claim other cause whatsoever shall be deemed	Sam arising whether based is contrad o	5/30/24 5/30/24 5/30/24 5/30/24 sct tort, staal be limited to the amount p	2:10PM 2:19PM 2:31PM 2:40PM			

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

100

Cool Intact

(Initials)

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

Page 112 of 119

	101 East Marland, Hobbs, NM 88240 (505) 393-2326 EAX (505) 393-2476	88240			
Company Name:	BBC International, Inc.	1410	BILL TO		
Project Manage	Project Manager: Cliff Brunson		P.O. #:		ANALISIS REQUEST
Address: P.O. Box 805	Box 805	~	Company: Oxy		
city: Hobbs	State: NM	Zip: 88241			
Phone #: 575-397-6388	Fax #:	5-397-0397	Address:		
Project #:	Project Owner: Oxy	_	City:		
Project Name: C	CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)		State: Zip:		
Project Location:	: New Mexico	104123	AS Phone #:	le	
Sampler Name:	SIMON RENDAN		he are the day	io	
FOR LAB USE ONLY		R	PRESERV. SAMPLING	n	
Lab I.D. 1/24/32400	Sample I.D.	(G)RAB OR (C) # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: CE / COOL OTHER : DATE	Chic BIEX TPHE	
-	SP 21@SURFACE	2	-	2:52PM / / /	
R	SP 21@ 1'		5/30/24	3:03PM 🗸 🗸 🗸	
	SP 21@ 2'		5/30/24	3:14PM 4 4	
	SP 21@ 4		5/30/24	3:22PM / / /	
201	SP 320 SI IDEACE		5/30/24	3:35PM / / /	
	SP 22@ 1'		5/31/24	9:25AM / / /	
84	SP 22@ 2'		5/31/24	10:07AM	
	SP 22@ 3'		5/31/24	10:23AM	
Liability an	SP 22@ 4"	for any clarit ansing whether based in contract or to	5/31/24	10:39AM / / / /	
analyses. All claims including service its no event shall Caro affiliates or successors arising	systes: All claims: including those for negligence and any other cause whatsoever shall be deened waved unless made vice: In no event shall Cardinal be liable for accidental or consequental damages, including without limitation, business a liable of successors arising out of or related to the performance of services tiereunder by Cardinal, regardless of whether liable of successors arising out of or related to the performance of services tiereunder by Cardinal, regardless of whether liable of successors arising out of or related to the performance of services tiereunder by Cardinal, regardless of whether liable of successors arising out of or related to the performance of services tiereunder by Cardinal, regardless of whether the successors arising out of our set of the services tiereunder of services there are not by the services tiereunder of the services tiereunder o	in writing ar interruptions	Cardinal Cardinal or loss of p	ris ore environits paid by the client for the applicable within 30 days after completion of the applicable space and the stand values of the subsidianes.	
Nondal	Time Re 10 Mar	min Uslac	Henre	Phone Result:  Ves No Add' Fax Result: Yes No Add' REMARKS:	Add'l Phone #: Add'l Fax #:
Relinquished By	1 as Lene Time 6-24	Received By:	) .	xprojed name	
Delivered By: (Circle One)	(Circle One) _14.0	Sample Condition	CH	per customer.	- Shadedner
Sampler - UPS -	Bus - Other: 100	No No No	AD STATUS		6/24/24
† Cardinal ca	Cardinal cannot accept verbal channes. Please fax written chances to EnE 202 2476	aso fay written changes to Enc			

Page 113 of 119

Page 114 of 119

**Released to Imaging: 2/10/2025 8:13:51 AM** 

Company Name:			BILL TO		ANALYSIS REQUEST
Project Manager:	Cliff Brunson		P.O. #:		
Address: P.O.	Box 805		Company: Oxy		
city: Hobbs	State: NM	Zip: 88241			
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:		
Project #:	Project Owner: Oxy		City:		
Project Name: C	CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)		State: Zip:	٩	
Project Location:	1: New Mexico	stipol		l	
Sampler Name:	SIMON RENDAN	<b>C</b>	Fax # O-OH	ic	
FOR LAB USE ONLY			PRESERV. SAMPLING	nn K EX	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	ACID/BASE: CE / COOL THER :	Chlo BTEX TPHE	
173.	SP 22@5'		5/31/24	10-52AM	
~	SP 23@SURFACE	-6		11:14AM / / /	
S	SP 23@1'		-	•••	
	SP 23@2'				
	SP 23@3'		-	•	
35	SP 24@SURFACE		5/31/24	•	
	SP 24@ 1'		5/31/24	1:06PM	
ch	SP 24@ 2'		5/31/24	•	
41	SP 24@ 3'		5/31/24	•	
PLEASE NOTE: Liability and	PLEASE MOTE: Liability and Damages Cardinal's liability and client's exclusive remery for a produced all homes which do not be not and the second sec	any claim arising whether based in contract or tort	5/31/24 led to the amount paid	1:52PM v v v	
affinites or successors, arising out of or related to recodential Relinquished By:	anal te lable for incidental or consequential famiges, inclu- out of or related to the performance of services hereworder Date:	without limitation, business interruptions, aromal regardless of whether such claim Received By:	d pagette	Phone Result: Yes No	Add'l Phone #: Add'l Fax #:
Relinquished By	weltown Dates 6- 24	Date 6- 24 Received By:		Apleoject now	instrume collection.
Delivered By: (Circle One) Sampler - UPS - Bus - Other	(Circle One) Bus - Other:	Cool Intact	(Initials)		Nodeigne

### Received by OCD: 2/7/2025 6:10:00 PM

	ç	DITT IC	ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805		Company: Oxy	
city: Hobbs Sta	State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #:	575-397-0397	Address:	
Project #: Proj	Project Owner: Oxy	City:	
Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)		State: Zip:	
Project Location: New Mexico			
Sampler Name: SIMON RENDAN	A	Pre- after	Ţ 
Lab I.D. Sample I.D.		/BASE: COOL	STEX
H243260	# CON GROU WAST SOIL OIL SLUD	ACID/	
SP 25@SURFACE	1		
US SP 25@2'		2:41PM ,	
		3-14PM	NO Sample X Relonau
U.S SP 25@4"		5/31/24 3:29PM	
		4 9:30AM	· ·
SP 26@1'		6/3/24 10:02AM	
E: Liability and	sive remedy for any claim arising whether based in contract or	cf or toot shall be limited to the amount outd to the cleant for the	
analyses All claims including trose for negligence and any other cause wha service. In no event shall Cardinal be lable for incidential or consequential da affiliates or successors ansing out of or related to the performance of service.	atsoever shall be deemed walved unless made in writing and rece amages, including without limitation, business interruptions, loss o is bereunder by Cardinal, regaribess of whether such claim is bas	received by Cardinal within 3D days after completion of the applicable sec of use, or loss of publis incurred by client, its subsidiaries, t based upon any of the above stated reasons or otherwise.	
U Stra	and and	Teltena Fax Result:	□Yes □ No Add" Phone #: □Yes □ No Add" Fax #:
and	121 01	dup	rustriante notified
Sampler - UPS - Bus - Other: 100	Cool Intact	(Initials)	Thinking & Andrianni
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	es. Please fax written changes to 50		*project name at at at correction, per customer.
			He men - homely pade

Page 115 of 119

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Company Name: BBC Ir Project Manager: Cliff Br Address: P.O. Box 805	ne: BBC International, Inc Jer: Cliff Brunson	al, Inc.		BILL TO	0		ANALYSIS	REQUEST
Project Manag Address: P.(	Jer: Cliff Brunson			BO #:				
Address: P.(				T.C. T.				
	J. BOX 8U5			Company: Oxy		_		
city: Hobbs		State: NM zi	Zip: 88241			_	_	
Phone #: 575-397-6388	-397-6388	Fax #: 575-39	575-397-0397	Address:				
Project #:		Project Owner: Oxy	Dxy	City:		_		
Project Name:	CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	(7/15/22,7/22/22,8/	125/22,2/25/23,3/6/24)	-				
Project Location:	on: New Mexico		SC-10		0			_
Sampler Name:	SIMON RENDAN	N	*SPL	HE HE AL			_	
FOR LAB USE ONLY			MATRIX		SAMPLING			_
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE	DTHER : ACID/BASE: CE / COOL DTHER : DATE		BTEX TPHE		
5.0	SP 26@3'	2		5	=	1		
Su	SP 26@4'	-	~	6/3/24	10:40AM	1		
55	SP 26@5'			6/3/24	10:54AM			
56	SP 27@SURFACE	'		6/3/24	11:10AM			
57	SP 27@1'			6/3/24	11:25AM	•		
82	SP 27@2'			6/3/24	11:43.AM	•	_	
8	SP 27@3'			6/3/24	12:04PM	•		
60	SP 27@4'			6/3/24	12:47PM	• •		
0	SP 27@5			6/3/24	1:05PM	۲ ۲		
PLEASE NOTE: Liability a Inalyses All claims includ ervice. In no event shall of	PLEASE NOTE: Lisbinity and Damages Cardona's liability and cliear's exclusive remedy for any claim ansing whethar based in contract or tort, shall be limited to analyses. All claims, including those for incegligance and any other clause inhalloover shall be deemed waived unless made in writing and received by Cardonal with service. In one server shall Cardona be table to another any other clause inhalloover shall be deemed waived unless made in writing and received by Cardonal with service.	's exclusive remedy for any claim use whatsoever shall be deemed	im ansing whether based in contract or fort shall d waived unless made in writing and received by		/3/24 1:19PM /	able		
Relinquished By	182	Timeg, MAN	Received By:	111 one	Phone Result: Fax Result: REMARKS:	□ Yes □ No □ Yes □ No	Add'l Phone #: Add'l Fax #:	
Relinquished B	A anten	R	Received By:		Korojact		n in a	t UNAU
Delivered By	e)/	190	1 JON				- narry correction.	speci

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

Sampler - UPS - Bus - Other: 0 Ves Ves (Initials) Annual 10048

Page 116 of 119

**Released to Imaging: 2/10/2025 8:13:51 AM** 

Company Name:	BBC International, Inc	Inc.	BILL TO			ANALYSIS REQUEST
Project Manage	Project Manager: Cliff Brunson		P.O. #:		_	
Address: P.O. Box 805	Box 805	0	Company: Oxy			
city: Hobbs		State: NM Zip: 88241				
Phone #: 575-397-6388	P	5-397-0397	Address:			
Project #:	P	Project Owner: Oxy c	City:			
Project Name: (	CEDAR CANYON WTF (7)	22,2/25/23,3/6/24)	State: Zip:	0		
Project Location:	n: New Mexico	0432 P		l		
Sampler Name:	SIMON RENDAN	- 48×	he# %	10		
FOR LAB USE ONLY	Sample I.D.	RAB OR (C)OMP, ONTAINERS OUNDWATER STEWATER IL JDGE	HER : ID/BASE: PRESERV :/ COOL SAMPLING	Chlon	BIEX	
- AL	SP 28@1'		5	1:34PM /	1	
Tel	SP 28@2'		6/3/24	1:52PM	< <	
5	SP 28@3'		6/3/24	2:05PM	•	
66	SP 28@4'		6/3/24	2:16PM	•	
E	SP 28@5'		6/3/24	2:29PM	•	
6%	SP 29@SURFACE		6/3/24	2:46PM	•	
15	SP 29@1'		6/3/24	3:07PM	۲ ۲	
10	SP 29@2'		6/4/24	9:20AM	•	
1=	SP 29@4'		6/4/24	9:52AM		
*LEASE NOTE: Liability an maiyses All claims includin ervice. In no event shall Ca miliates or surrassons arisen.	and Damages. Candinal's liability and clisuots fring those for negligence and any other cause Cardinal be liable for incidental or consequent sono cuit of w ratisfand in the neutromance of se	and Damages. Cardinal's lability and clisat's exclusive remedy for any claim alising whether based in contract ut tot, shall be limited of ong those for negligence and any other cause whitsoever shall be deemed waived unless most in writing and received by classinal classinal be liable for incidental or consequential analysis, including whether white an under in writing and exercise to use, or loss, or some out of or valuate the audommous of earlier analysis, including whether and standard waive in the torm is based use, or loss, or some out of or valuate the audommous of earlier analysis and analysis.	I tort, shall be limited to the amount pareceived by Cardinal within 30 days afters of use, or loss of polits incurred by a start of the second se	to the amount paid by the client for the within 30 days after completion of the applicable plifts incurred by client, its subsidianes.	able	
Relinquished By	2 A)	Time: 2:00 KM	Mana	Phone Result: Fax Result: REMARKS:	Yes No	Add'I Phone #: Add'I Fax #:
Relinquished By	ine that	Date: 6-2 Received By: Time 1051 OLDauce	8	per cu	custom	stomete. mindrailminist
Sampler - UPS - Bus - Other	- Bus - Other:	1.0 Cool Intact	(Initials)			

Page 117 of 119

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST $\mathcal{D}$

Page 118 of 119

Company Name: BBC International, Inc.	BILL TO	2 ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805	Company: Oxy	
city: Hobbs State: NM	zip: 88241 Attn:	
5-397-6388 Fax #:	575-397-0397 Address:	
Project #: Project Owner: Oxy	rr: Oxy City:	
ame: CEDAR CANYON WTF (		
Project Location: New Mexico	Phone #:	
Sampler Name: SIMON RENDAN	X'SQ' Way Fat	
	MATRIX PRESERV.	SAMPLING
Lab I.D. Sample I.D.	(G)RAB OR (C)OI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	Chl BIE TDH
SP 30@SURFACE	1	10:12AM V V V
14 SP 30@1	6/4/24	10.26AM 🗸 🗸 🗸
75 SP 30@2'	6/4/24	10:41AM v v v
5 SP 30@3'	6/4/24	10:56AM , , ,
'T) SP 30@4'	6/4/24	11:12AM v v v
7 SP 30@5'	6/4/24	11:24AM / / /
79 SP 31@SURFACE	6/4/24	11:38AM / / /
20 SP 31@1'	6/4/24	11:55AM v v v
8 SP 31@2'	6(4)24	12:45PM ~ ~ ~
SL SP 31@3'	6/4/24	1:10PM v v v
PLEASE NOTE: Lability and Damages. Caldinai's sability and clear's encloser transply for transpose. All claims including those for negligence and any other cause whatsoever shale the enclose. In no event shall Cardinal be lable for inclential or increase and analysis, includin sectors a successory shall cardinal be lable for inclential or consequential damages, includin sectors a successory and and and a valued to be a cardiomicrose of another damages.	any claim arising whether based in contract or fort, shall be limited to the annual cheemed waveg unless made in writing and leoclived by Cardigal, within 30 days gravitout limitation, business interruptions, loss of use, or long of the about estimation Cardinal texasurbase of ubactine such claim is based uson advort for a about estate	30 daya aher conçivino n'itme agolicable noumed by client de subdances ve stated to aconce or to subsidiance
Relinquished By: Date: 6-2	Received By CANDILLING	Phone Result:  Yes No Add'I Phone #: Fax Result:  Yes No Add'I Fax #: REMARKS:
Relinquished By: Company Date 6 -	Date 6 - HReceived By: Time: 105/ 0100000	* project nound condition
Delivered By: (Circle One) -/4.0:	2	he are a
Sampler - UPS - Bus - Other: 140		
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	e fax written changes to 505-393-2476	

ARDINAL LABORATORIES

Page 119 of 119

Relinquished By: Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other	PLEASE NOTE: Lublify and Damages Card analyses Al claims including Bose for eigilig service. In no event shall Cardmail be liable (or affiates or successor ansing out of or related	QD	68	86	g	al al	No	al a	22	Lab I.D. H ZU ZUOJ	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #: 575-397-6388	city: Hobbs	Address: P.O	Project Manager:	Company Name:
(Circle One) - ) Bus - Other:	nar's liability and cli ince and any other incidental or conse to the performance	SP 32@5'	SP 32@4'	SP 32@3'	SP 32@2'	SP 32@1'	SP 32@SURFACE	SP 31@5'	SP 31@4'	Sample I.D.	SIMON RENUAN		CEDAR CANYON WTF (7/15	Pro		St	P.O. Box 805	r: Cliff Brunson	<ul> <li>BBC International, Inc.</li> </ul>
Date: - 6-24 Received By: Time: 6 24 Received By: Date: - 6 24 Received By: Time: 6 24 Received By: Time: 6 24 Received By: Cool In Cool In 14.0 2 Cool In Cool In C	act's exclusive temedy for any claim ansing whether based in cont curse whistoerer shall be deemed valved unless made is writing operated damages, including without limitation, business marticipain of services hereunder the Cardinal endowed unless use to re-								2	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL	XX	10-4	Project Name: CEDAR CANYON WTF (7/15/22,7/22/22,8/25/22,2/25/23,3/6/24)	Project Owner: Oxy	x#: 575-397-0397	State: NM Zip: 88241			IC.
By: By: By: Condition Sample Condition Sample Condition Cond Intact Cool Intac	act or fort, shall be limited to the amount and increased by Cardon audition 30 days in loss of tree, or loss of politis ancure are been a bread more to act the statement for a first and the statement in the total statement are act to act t	6/4/24	6/4/24	6/4/24	6/4/24	6/4/24	6/4/24	6/4/24	4 6/4/24	SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	Pat #: 0	Phone #:	3/6/24) State: Zip:	City:	Address:		Company: Oxy	P.O. #:	BILL TO
Phone Result: Fax Result: REMARKS: Apro Per	paid by the client for the after completion of the applicable by client its subscitation,	3:29PM	3:17PM	3:02PM	2:40PM	2:21PM	2:08PM	1:46PM	1:27PM	TIME		-	-					_	
Jeet wes	cable	•	•	•	•	•	•	< <	1 1 1 1	BIEX					_	_	_	_	
per customer. 800 addifer:																			ANALYSIS REQUEST



July 05, 2024

Cliff Brunson BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON WTF

Enclosed are the results of analyses for samples received by the laboratory on 07/02/24 13:39.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	07/02/2024	Sampling Date:	07/01/2024
Reported:	07/05/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON WTF	Sampling Condition:	Cool & Intact
Project Number:	7/15/22,7/22/22,8/25/22,2/25/23,10/04/	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

### Sample ID: SP 5 @ 4' (H243970-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/03/2024	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	07/03/2024	ND	1.79	89.4	2.00	12.7	
Ethylbenzene*	<0.050	0.050	07/03/2024	ND	1.83	91.5	2.00	12.2	
Total Xylenes*	<0.150	0.150	07/03/2024	ND	5.40	90.0	6.00	12.2	
Total BTEX	<0.300	0.300	07/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2024	ND	175	87.5	200	3.84	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	187	93.4	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/02/2024	Sampling Date:	07/01/2024
Reported:	07/05/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON WTF	Sampling Condition:	Cool & Intact
Project Number:	7/15/22,7/22/22,8/25/22,2/25/23,10/04/	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

### Sample ID: SP 15 @ 3' (H243970-02)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/03/2024	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	07/03/2024	ND	1.79	89.4	2.00	12.7	
Ethylbenzene*	<0.050	0.050	07/03/2024	ND	1.83	91.5	2.00	12.2	
Total Xylenes*	<0.150	0.150	07/03/2024	ND	5.40	90.0	6.00	12.2	
Total BTEX	<0.300	0.300	07/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2024	ND	175	87.5	200	3.84	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	187	93.4	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/02/2024	Sampling Date:	07/01/2024
Reported:	07/05/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON WTF	Sampling Condition:	Cool & Intact
Project Number:	7/15/22,7/22/22,8/25/22,2/25/23,10/04/	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

### Sample ID: SP 15 @ 4' (H243970-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/03/2024	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	07/03/2024	ND	1.79	89.4	2.00	12.7	
Ethylbenzene*	<0.050	0.050	07/03/2024	ND	1.83	91.5	2.00	12.2	
Total Xylenes*	<0.150	0.150	07/03/2024	ND	5.40	90.0	6.00	12.2	
Total BTEX	<0.300	0.300	07/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/03/2024	ND	175	87.5	200	3.84	
DRO >C10-C28*	<10.0	10.0	07/03/2024	ND	187	93.4	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	07/03/2024	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/02/2024	Sampling Date:	07/01/2024
Reported:	07/05/2024	Sampling Type:	Soil
Project Name:	CEDAR CANYON WTF	Sampling Condition:	Cool & Intact
Project Number:	7/15/22,7/22/22,8/25/22,2/25/23,10/04/	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - EDDY COUNTY, NM		

### Sample ID: SP 21 @ 5' (H243970-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/03/2024	ND	1.80	90.2	2.00	12.4	
Toluene*	<0.050	0.050	07/03/2024	ND	1.79	89.4	2.00	12.7	
Ethylbenzene*	<0.050	0.050	07/03/2024	ND	1.83	91.5	2.00	12.2	
Total Xylenes*	<0.150	0.150	07/03/2024	ND	5.40	90.0	6.00	12.2	
Total BTEX	<0.300	0.300	07/03/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/03/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2024	ND	175	87.5	200	3.84	
DRO >C10-C28*	<10.0	10.0	07/05/2024	ND	187	93.4	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	07/05/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **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

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



(1	(505) 393-2326 FAX (505) 393-2476	76			NIFOT
Company Name:	Company Name: BBC International, Inc.		BILL TO	ANALYSIS REG	REQUEST
Project Manager: Cliff Brunson	Cliff Brunson		P.O. #:		
Address: P.O. I	P.O. Box 805		Company: Oxy		
city: Hobbs	State: NM	Zip: 88241	Attn:		
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:		
Project #:	Project Owner: Oxy	er: Oxy	City:		
Project Name: Ct	Project Name: CEDAR CANYON WTF 7/15/22,7/22/22,8/25/22,2/25/23,10/04/23,3/6/24	5/22,2/25/23,10/04/23,3/6/24	State: Zip:		
Project Location:	New Mexico		Phone #:		
Sampler Name:	SIMON RENDAN		Fax #:		
FOR LAB USE OWLY			PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	m	Chie BIE	
In Joint	SP 5 @4'	61 4		< <	
	SP 15@3'			~ ~	
two	SP 15@4' SP 21@5'		7/1/24 10:1	10:12am	
PLEASE NOTE: Labelly and Damages	PLEASE NOTE: Liability and Damages Cautonal's liability and claus's exclusive remedy for any claum arising whyther based in contract or tork, shall be limited to the amount paid by the clent for the	or any clasm ansmu whether based in contract or tort, shall	d or ford, shall be limited to the emount paid by th	paid by the cleant for the	
Relinquished By	out of or related to the performance of	Received By:	Timer 2 20 South and the sub-claim is based upon any of the above stands to some	Phone Result:	
Relinquished By:	l	Received By:	1 Contract	248 hours	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	(Circle One) 3-3:	Sample Condition Cool Intact PY65 PYes No No	tion CHECKED BY: (Initials) to Checken By:		

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

Page 7 of 7



July 23, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON WTF

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 8:00.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/18/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 23-Jul-24 15:25
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BOUNDARY 1 @ 1'	H244290-01	Solid	16-Jul-24 09:30	18-Jul-24 08:00
BOUNDARY 2 @ 1'	H244290-02	Solid	16-Jul-24 09:40	18-Jul-24 08:00
BOUNDARY 3 @ 1'	H244290-03	Solid	16-Jul-24 09:45	18-Jul-24 08:00
BOUNDARY 4 @ 1'	H244290-04	Solid	16-Jul-24 09:51	18-Jul-24 08:00
BOUNDARY 5 @ 1'	H244290-05	Solid	16-Jul-24 09:58	18-Jul-24 08:00
BOUNDARY 6 @ 1'	H244290-06	Solid	16-Jul-24 10:05	18-Jul-24 08:00
Boundary 7 @ 1'	H244290-07	Solid	16-Jul-24 10:10	18-Jul-24 08:00
BOUNDARY 8 @ 1'	H244290-08	Solid	16-Jul-24 10:16	18-Jul-24 08:00
BOUNDARY 9 @ 1'	H244290-09	Solid	16-Jul-24 10:20	18-Jul-24 08:00
BOUNDARY 10 @ 1'	H244290-10	Solid	16-Jul-24 10:26	18-Jul-24 08:00
BOUNDARY 11 @ 1'	H244290-11	Solid	16-Jul-24 10:32	18-Jul-24 08:00
BOUNDARY 12 @ 1'	H244290-12	Solid	16-Jul-24 10:40	18-Jul-24 08:00
BOUNDARY 13 @ 1'	H244290-13	Solid	16-Jul-24 10:45	18-Jul-24 08:00
BOUNDARY 14 @ 1'	H244290-14	Solid	16-Jul-24 10:52	18-Jul-24 08:00
BOUNDARY 15 @ 1'	H244290-15	Solid	16-Jul-24 10:57	18-Jul-24 08:00
BOUNDARY 16 @ 1'	H244290-16	Solid	16-Jul-24 11:10	18-Jul-24 08:00
BOUNDARY 17 @ 1'	H244290-17	Solid	16-Jul-24 11:20	18-Jul-24 08:00
BOUNDARY 18 @ 1'	H244290-18	Solid	16-Jul-24 11:30	18-Jul-24 08:00
BOUNDARY 19 @ 1'	H244290-19	Solid	16-Jul-24 11:40	18-Jul-24 08:00
BOUNDARY 20 @ 1'	H244290-20	Solid	16-Jul-24 11:51	18-Jul-24 08:00
BOUNDARY 21 @ 1'	H244290-21	Solid	16-Jul-24 12:05	18-Jul-24 08:00
BOUNDARY 22 @ 1'	H244290-22	Solid	16-Jul-24 12:11	18-Jul-24 08:00

07/23/24 - Client changed the project name and spill dates (see COC). This is the revised report and will replace the one sent earlier today, 07/23/24.

### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/18 ger: Cliff	DAR CANYON WTF Reported: 8/22,7/22/22,8/25/22,2/25/23,: 23-Jul-24 15:2 f Brunson 5) 397-0397					
			BOUND H2442	)ARY 1 90-01 (So	0					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4071903	AC	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds by 1	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			124 %	71.5	-134	4071808	ЈН	18-Jul-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			88.0 %	48.2	-134	4071809	MS	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			83.6 %	49.1	-148	4071809	MS	18-Jul-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nur Project Man	nber: 7/18 ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 23-Jul-24 15:25				
			DARY 2 290-02 (So	0							
		112-11	290 02 (50	iiu)							
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	tories							
Inorganic Compounds											
Chloride	64.0	16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B			
Volatile Organic Compounds	s by EPA Method 802	1									
Benzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	(D)	117 %	71.5	-134	4071808	ЈН	18-Jul-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctane		119 %	48.2	-134	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctadecane		118 %	49.1	-148	4071809	MS	18-Jul-24	8015B			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/18 ager: Cliff		22,8/25/22,	,2/25/23,:	Reported: 23-Jul-24 15:25				
				DARY 3 290-03 (So	0							
			112442	.70-05 (50	iiu)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	ıl Laborat	ories							
Inorganic Compounds												
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B			
Volatile Organic Compounds	s by EPA Method 80	21										
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	ЛН	18-Jul-24	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	D)		103 %	71.5	-134	4071808	JH	18-Jul-24	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctane			123 %	48.2	-134	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4071809	MS	18-Jul-24	8015B			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/18 ger: Cliff		22,8/25/22,	2/25/23,:	Reported: 23-Jul-24 15:25				
				DARY 4 90-04 (So	0							
			112 1 12	50 01 (50	iiu)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	ories							
Inorganic Compounds												
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B			
Volatile Organic Compounds	by EPA Method 80	21										
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	D)		116 %	71.5	-134	4071808	JH	18-Jul-24	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctane			99.8 %	48.2	-134	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctadecane			98.0 %	49.1	-148	4071809	MS	18-Jul-24	8015B			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	nber: 7/18 ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 23-Jul-24 15:25				
				DARY 5 290-05 (So	$\bigcirc$							
					iiu)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	al Laborat	ories							
Inorganic Compounds												
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B			
Volatile Organic Compounds	by EPA Method 8	021										
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	ЛН	18-Jul-24	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	ЛН	18-Jul-24	8021B			
Surrogate: 4-Bromofluorobenzene (PL	D)		122 %	71.5	-134	4071808	JH	18-Jul-24	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctane			115 %	48.2	-134	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctadecane			113 %	49.1	-148	4071809	MS	18-Jul-24	8015B			

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	ber: 7/18 ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 23-Jul-24 15:25				
				DARY 6 290-06 (So	$\bigcirc$							
			112 1 12		iiu)					1		
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	ıl Laborat	ories							
Inorganic Compounds												
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B			
Volatile Organic Compounds	s by EPA Method 80	)21										
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	D)		120 %	71.5	-134	4071808	ЛН	18-Jul-24	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctane			130 %	48.2	-134	4071809	MS	18-Jul-24	8015B			
Surrogate: 1-Chlorooctadecane			127 %	49.1	-148	4071809	MS	18-Jul-24	8015B			

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Project Num Project Mana	nber: 7/18 ager: Cliff		22,8/25/22	,2/25/23,:	Reported: 23-Jul-24 15:25				
				DARY 7 290-07 (So	0							
			112442		iiu)							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	al Laborat	tories							
Inorganic Compounds												
Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B			
Volatile Organic Compounds	by EPA Method 802	21										
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	4071808	ЛН	18-Jul-24	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Surrogate: 4-Bromofluorobenzene (PI	D)		128 %	71.5	-134	4071808	ЛН	18-Jul-24	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B			
Surrogate: 1-Chlorooctane			79.7 %	48.2	-134	4071810	ms	18-Jul-24	8015B			
Surrogate: 1-Chlorooctadecane			79.9 %	49.1	-148	4071810	ms	18-Jul-24	8015B			

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project Nu Project Mar		3/22,7/22/2 Brunson	22,8/25/22	,2/25/23,:	Reported: 23-Jul-24 15:25				
			DARY 8	0							
		H244	290-08 (So	na)							
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
		Cardin	al Laborat	ories							
Inorganic Compounds											
Chloride	48.0	16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B			
Volatile Organic Compounds	s by EPA Method 802	1									
Benzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Toluene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total Xylenes*	< 0.150	0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B			
Total BTEX	< 0.300	0.300	mg/kg	50	4071808	ЛН	18-Jul-24	8021B			
Surrogate: 4-Bromofluorobenzene (Pl	D)	117 %	71.5	-134	4071808	JH	18-Jul-24	8021B			
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B			
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B			
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B			
Surrogate: 1-Chlorooctane		89.8 %	48.2	-134	4071810	ms	18-Jul-24	8015B			
Surrogate: 1-Chlorooctadecane		90.4 %	49.1	-148	4071810	ms	18-Jul-24	8015B			

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				DARY 9	0					
			H2442	290-09 (So	lid)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	ЛН	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	'D)		127 %	71.5-	-134	4071808	JH	18-Jul-24	8021B	
<u>Petroleum Hydrocarbons by</u>	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			100 %	48.2	-134	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1-	-148	4071810	ms	18-Jul-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397										
			BOUND H2442	ARY 10 90-10 (So	0						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		120 %	71.5	-134	4071808	JH	18-Jul-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctane			74.3 %	48.2	-134	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctadecane			74.3 %	49.1	-148	4071810	ms	18-Jul-24	8015B		

### Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
			DARY 11 4290-11 (So	0						
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardii	nal Laborat	ories						
Inorganic Compounds										
Chloride	48.0	16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 802	[								
Benzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4071808	ЈН	18-Jul-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)	127 %	5 71.5	-134	4071808	ЛН	18-Jul-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctane		89.1 %	6 48.2	-134	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctadecane		90.5 %	<i>49.1</i>	-148	4071810	ms	18-Jul-24	8015B		

### **Cardinal Laboratories**

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
			DARY 12 290-12 (So	0						
Analyte	Result	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardin	al Laborat	tories						
Inorganic Compounds										
Chloride	64.0	16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 802	1								
Benzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4071808	ЛН	18-Jul-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	D)	111 %	71.5	-134	4071808	JH	18-Jul-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctane		89.3 %	48.2	-134	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctadecane		89.4 %	49.1	-148	4071810	ms	18-Jul-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
			DARY 13 290-13 (So	0						
Analyte	Result N	Reporting MDL Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
		Cardin	al Laborat	ories						
Inorganic Compounds										
Chloride	64.0	16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8021									
Benzene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Toluene*	< 0.050	0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Ethylbenzene*	< 0.050	0.050	mg/kg	50	4071808	ЛН	18-Jul-24	8021B		
Total Xylenes*	< 0.150	0.150	mg/kg	50	4071808	ЛН	18-Jul-24	8021B		
Total BTEX	< 0.300	0.300	mg/kg	50	4071808	JH	18-Jul-24	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	(D)	122 %	71.5	-134	4071808	JH	18-Jul-24	8021B		
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctane		91.2 %	48.2	-134	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctadecane		92.0 %	49.1	-148	4071810	ms	18-Jul-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				OARY 14 290-14 (So	0					
			Reporting							
Analyte	Result	MDL	Ĺimit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	ЛН	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	ЛН	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		125 %	71.5	-134	4071808	JH	18-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			96.4 %	48.2	-134	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			96.7 %	49.1	-148	4071810	ms	18-Jul-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				OARY 15 290-15 (So	0					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071808	JH	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071808	ЛН	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		125 %	71.5	-134	4071808	JH	18-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			99.0 %	48.2	-134	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			99.9 %	49.1	-148	4071810	ms	18-Jul-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				ARY 16 90-16 (So	0					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		97.0 %	71.5	-134	4071816	JH	18-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			100 %	48.2	-134	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	4071810	ms	18-Jul-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397										
			BOUND H2442	ARY 17 90-17 (So	0						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071816	ЛН	18-Jul-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		96.1 %	71.5	-134	4071816	JH	18-Jul-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctane			101 %	48.2	-134	4071810	ms	18-Jul-24	8015B		
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	4071810	ms	18-Jul-24	8015B		

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
			BOUND H2442	ARY 18 90-18 (So	0					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		96.5 %	71.5	-134	4071816	JH	18-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			87.9 %	48.2	-134	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			87.6 %	49.1	-148	4071810	ms	18-Jul-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
		I		ARY 19 90-19 (So	0					
Analyte	Result	Rep MDL L	orting imit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardinal	l Laborat	tories					
Inorganic Compounds										
Chloride	64.0	1	6.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 802	1								
Benzene*	< 0.050	0	.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Toluene*	< 0.050	0	.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050	0	.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150	0	150	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total BTEX	< 0.300	0	.300	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		96.2 %	71.5	-134	4071816	JH	18-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0	1	0.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0	1	0.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0	1	0.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			109 %	48.2	-134	4071810	ms	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	4071810	ms	18-Jul-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project:CEDAR CANYON WTFReported:Project Number:7/18/22,7/22/22,8/25/22,2/25/23,:23-Jul-24 15:25Project Manager:Cliff BrunsonFax To:(575) 397-0397									
				ARY 20 290-20 (So	$\bigcirc$					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071816	ЈН	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		97.0 %	71.5	-134	4071816	JH	18-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			75.3 %	48.2	-134	4071734	MS	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			80.1 %	49.1	-148	4071734	MS	18-Jul-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241		Project: CEDAR CANYON WTF Project Number: 7/18/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397					Reported: 23-Jul-24 15:25			
				OARY 21 290-21 (So	$\bigcirc$					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 802	21								
Benzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4071816	ЛН	18-Jul-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071816	ЛН	18-Jul-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4071816	JH	18-Jul-24	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		96.8 %	71.5	-134	4071816	JH	18-Jul-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
Surrogate: 1-Chlorooctane			120 %	48.2	-134	4071734	MS	18-Jul-24	8015B	
Surrogate: 1-Chlorooctadecane			129 %	49.1	-148	4071734	MS	18-Jul-24	8015B	

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BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/18/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397					Reported: 23-Jul-24 15:25					
BOUNDARY 22 @ 1' H244290-22 (Solid)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
Cardinal Laboratories											
Inorganic Compounds											
Chloride	64.0		16.0	mg/kg	4	4071905	AC	19-Jul-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 802	1									
Benzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4071816	JH	18-Jul-24	8021B		
Surrogate: 4-Bromofluorobenzene (PL	D)		96.7 %	71.5	-134	4071816	JH	18-Jul-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B		
Surrogate: 1-Chlorooctane			116 %	48.2	-134	4071734	MS	18-Jul-24	8015B		
Surrogate: 1-Chlorooctadecane			128 %	49.1	-148	4071734	MS	18-Jul-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241			Reported: 23-Jul-24 15:25
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# **Inorganic Compounds - Quality Control**

Cardinal Laboratories										
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4071903 - 1:4 DI Water										
Blank (4071903-BLK1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	ND	16.0	mg/kg							
LCS (4071903-BS1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4071903-BSD1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 4071905 - 1:4 DI Water										
Blank (4071905-BLK1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	ND	16.0	mg/kg							
LCS (4071905-BS1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4071905-BSD1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 4071910 - 1:4 DI Water										
Blank (4071910-BLK1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	ND	16.0	mg/kg							
LCS (4071910-BS1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	432	16.0	mg/kg	400			80-120			

### **Cardinal Laboratories**

\*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/18/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 23-Jul-24 15:25
	Inorganic Compounds - Quality Control	

# **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4071910 - 1:4 DI Water										
LCS Dup (4071910-BSD1)				Prepared &	Analyzed:	19-Jul-24				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: 7 Project Manager: 0	CEDAR CANYON WTF 7/18/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 23-Jul-24 15:25
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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
Batch 4071808 - Volatiles										
Blank (4071808-BLK1)				Prepared &	Analyzed:	18-Jul-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)	0.0571		mg/kg	0.0500		114	71.5-134			
LCS (4071808-BS1)				Prepared &	Analyzed:	18-Jul-24				
Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130			
Toluene	2.44	0.050	mg/kg	2.00		122	86-128			
Ethylbenzene	2.43	0.050	mg/kg	2.00		121	85.9-128			
m,p-Xylene	5.07	0.100	mg/kg	4.00		127	89-129			
o-Xylene	2.51	0.050	mg/kg	2.00		125	86.1-125			
Total Xylenes	7.57	0.150	mg/kg	6.00		126	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0598		mg/kg	0.0500		120	71.5-134			
LCS Dup (4071808-BSD1)				Prepared &	Analyzed:	18-Jul-24				
Benzene	2.11	0.050	mg/kg	2.00		105	82.8-130	2.37	15.8	
Toluene	2.38	0.050	mg/kg	2.00		119	86-128	2.21	15.9	
Ethylbenzene	2.37	0.050	mg/kg	2.00		118	85.9-128	2.58	16	
m,p-Xylene	4.93	0.100	mg/kg	4.00		123	89-129	2.69	16.2	
o-Xylene	2.44	0.050	mg/kg	2.00		122	86.1-125	2.52	16.7	
Total Xylenes	7.38	0.150	mg/kg	6.00		123	88.2-128	2.64	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0591		mg/kg	0.0500		118	71.5-134			

# Batch 4071816 - Volatiles

Blank (4071816-BLK1)			Prepared & Analyzed: 18-Jul-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

### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Volatile Organic Compounds by EPA Method 8021 - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4071816 - Volatiles										
Blank (4071816-BLK1)				Prepared &	Analyzed:	18-Jul-24				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		97.0	71.5-134			
LCS (4071816-BS1)				Prepared &	Analyzed:	18-Jul-24				
Benzene	1.94	0.050	mg/kg	2.00		96.9	82.8-130			
Toluene	1.91	0.050	mg/kg	2.00		95.3	86-128			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	3.96	0.100	mg/kg	4.00		99.0	89-129			
o-Xylene	1.94	0.050	mg/kg	2.00		96.8	86.1-125			
Total Xylenes	5.90	0.150	mg/kg	6.00		98.3	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0482		mg/kg	0.0500		96.4	71.5-134			
LCS Dup (4071816-BSD1)				Prepared &	Analyzed:	18-Jul-24				
Benzene	1.85	0.050	mg/kg	2.00		92.4	82.8-130	4.78	15.8	
Toluene	1.84	0.050	mg/kg	2.00		91.8	86-128	3.83	15.9	
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.2	85.9-128	3.81	16	
m,p-Xylene	3.82	0.100	mg/kg	4.00		95.5	89-129	3.64	16.2	
o-Xylene	1.87	0.050	mg/kg	2.00		93.5	86.1-125	3.56	16.7	
Total Xylenes	5.69	0.150	mg/kg	6.00		94.8	88.2-128	3.61	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0480		mg/kg	0.0500		96.0	71.5-134			

# Cardinal Laboratories

# \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYO Project Number: 7/18/22,7/22/2 Project Manager: Cliff Brunson Fax To: (575) 397-0397	22,8/25/22,2/25/23,: 23-Jul-24 15:25	
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# Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4071734 - General Prep - Organics										
Blank (4071734-BLK1)				Prepared:	17-Jul-24 A	nalyzed: 18	3-Jul-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	66.1		mg/kg	50.0		132	48.2-134			
Surrogate: 1-Chlorooctadecane	70.5		mg/kg	50.0		141	49.1-148			
LCS (4071734-BS1)				Prepared: 1	17-Jul-24 A	nalyzed: 18	3-Jul-24			
GRO C6-C10	215	10.0	mg/kg	200		108	66.4-123			
DRO >C10-C28	207	10.0	mg/kg	200		103	66.5-118			
Total TPH C6-C28	422	10.0	mg/kg	400		106	77.6-123			
Surrogate: 1-Chlorooctane	68.2		mg/kg	50.0		136	48.2-134			S-0.
Surrogate: 1-Chlorooctadecane	74.1		mg/kg	50.0		148	49.1-148			
LCS Dup (4071734-BSD1)				Prepared:	17-Jul-24 A	nalyzed: 18	3-Jul-24			
GRO C6-C10	218	10.0	mg/kg	200		109	66.4-123	1.16	17.7	
DRO >C10-C28	209	10.0	mg/kg	200		105	66.5-118	1.26	21	
Total TPH C6-C28	427	10.0	mg/kg	400		107	77.6-123	1.21	18.5	
Surrogate: 1-Chlorooctane	66.2		mg/kg	50.0		132	48.2-134			
Surrogate: 1-Chlorooctadecane	75.3		mg/kg	50.0		151	49.1 <b>-</b> 148			S-0.
Batch 4071809 - General Prep - Organics										
Batch 40/1809 - General Prep - Organics Blank (4071809-BLK1)					Analyzed:					

Blank (4071809-BLK1)				Prepared & Anal	yzed: 18-Jul-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	59.2		mg/kg	50.0	118	48.2-134	
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0	118	49.1-148	

### Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project Number: Project Manager:	CEDAR CANYON WTF 7/18/22,7/22/22,8/25/22,2/25/23,: Cliff Brunson (575) 397-0397	Reported: 23-Jul-24 15:25
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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
Batch 4071809 - General Prep - Organics				20101		, on the o	Linito	10.0	Linit	110100
LCS (4071809-BS1)				Prepared 8	analyzed:	18 Jul 24				
GRO C6-C10	183	10.0	mg/kg	200	e Anaryzeu.	91.6	66.4-123			
DRO >C10-C28	183	10.0	mg/kg	200		91.0 95.7	66.5-118			
Total TPH C6-C28	375	10.0	mg/kg	400		93.7	77.6-123			
Surrogate: 1-Chlorooctane	60.7		mg/kg	50.0		121	48.2-134			
Surrogate: 1-Chlorooctadecane	58.9		mg/kg	50.0		118	49.1-148			
LCS Dup (4071809-BSD1)				Prepared &	analyzed:	18-Jul-24				
GRO C6-C10	186	10.0	mg/kg	200		93.0	66.4-123	1.48	17.7	
DRO >C10-C28	196	10.0	mg/kg	200		97.8	66.5-118	2.18	21	
Total TPH C6-C28	382	10.0	mg/kg	400		95.4	77.6-123	1.84	18.5	
Surrogate: 1-Chlorooctane	60.4		mg/kg	50.0		121	48.2-134			
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	49.1-148			
Batch 4071810 - General Prep - Organics										
Blank (4071810-BLK1)				Prepared &	Analyzed:	18-Jul-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	53.9		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0		111	49.1-148			
LCS (4071810-BS1)				Prepared &	k Analyzed:	18-Jul-24				
GRO C6-C10	195	10.0	mg/kg	200		97.7	66.4-123			
DRO >C10-C28	176	10.0	mg/kg	200		87.8	66.5-118			
Total TPH C6-C28	371	10.0	mg/kg	400		92.7	77.6-123			
Surrogate: 1-Chlorooctane	59.6		mg/kg	50.0		119	48.2-134			
Surrogate: 1-Chlorooctadecane	58.9		mg/kg	50.0		118	49.1-148			

### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: CEDAR CANYON WTF Project Number: 7/18/22,7/22/22,8/25/22,2/25/23,: Project Manager: Cliff Brunson Fax To: (575) 397-0397	Reported: 23-Jul-24 15:25	
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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
Batch 4071810 - General Prep - Organics										
LCS Dup (4071810-BSD1)				Prepared &	Analyzed:	18-Jul-24				
GRO C6-C10	191	10.0	mg/kg	200		95.5	66.4-123	2.27	17.7	
DRO >C10-C28	175	10.0	mg/kg	200		87.6	66.5-118	0.178	21	
Total TPH C6-C28	366	10.0	mg/kg	400		91.5	77.6-123	1.27	18.5	
Surrogate: 1-Chlorooctane	53.7		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	57.3		mg/kg	50.0		115	49.1-148			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Received by OCD: 2/7/2025 6:10:00 PM

Relinquis Delivered By: Relinquished By: Sampler - UPS -1 Project Name: SAND DUNES S. CORRIDOR N. 1 118/22 71/22/22, 8/25/22 LEASE NOTE city: Hobbs Project Cedar Cauyon ( Project Owner: Oxy Phone #: 575-397-6388 Address: P.O. Box 805 Project Manager: Cliff Brunson Company Name: 24420 ampler Name: Lab I.D. Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 Ω 160 0 RDINAL LABORATORIES BOUNDARY 10@ BOUNDARY 9@1 BOUNDARY 8@1 BOUNDARY 7@1 BOUNDARY 6@1 BOUNDARY 5@1 BOUNDARY 4@1' BOUNDARY 3@1' BOUNDARY 2@1' BOUNDARY 1@1 Bus - Other: Circle One (505) 393-2326 FAX (505) 393-2476 101 East Marland, Hobbs, NM 88240 CLIFF BRUNSON BBC International, Sample I.D. 202 Date: 18-20 Date; M-24 Timetoo Time: 800tml \* 40 10.0 Fax #: 575-397-0397 , Inc. State: NM WTR POLISH CTB Received By: Received By GRAB OR (C)OMP Zip: # CONTAINERS SAUGE 88241 GROUNDWATER Cool Intact and 0 Sample Condition 0 WASTEWATER MATRIX SOIL (2/24/21) 8 OIL SLUDGE en State: OTHER City: Fax #: Phone #: Attn: Address: Company: P.O. #: ACID/BASE PRESERV CHECKED BY: ICE / COOL Ð (Initials) OTHER BILL TO Oxy 7/16/24 7/16/24 7/16/24 7/16/24 7/16/24 7/16/24 7/16/24 7/16/24 7/16/24 7/16/24 Zip DATE SAMPLING Phone Result: Fax Result: REMARKS: 10:26AM 9:58AM 9:51AM 9:45AM 9:40AM 9:30AM 10:20AM 10:10AM 10:05AM \* 10:16AM CHAIN-OF-CUSTODY AND ANALYSIS REQUEST & Spill site Date Change. TIME of the Justonies requested name ٩, ۲ ٩ 5 ٩, ٩ 5 ٢ ۲ 5 ٩ ٩, 5 Yes ٩ ٩ ٩, ٢, 5 ۲ 5 < 5 0 Add'l Phone #: Add'l Fax #: ANALYSIS REQUEST 40.7/23/24

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

	0	10						
Company Maine.			BILL TO	0		ANALYSIS	REQUEST	
		P.O. #:	*			_		
Address: P.O. Box 805	D. Box 805	Com	Company: Oxy				_	
city: Hobbs	State: NM	Zip: 88241 Attn:			_			
Phone #: 575-397-6388	Fax #:	575-397-0397 Address:	ress:		_			
Project #:+C	idar ( augn 1) Froject Owner: Oxy				_			
Project Name:	SAND DUNESS COR	SH CTB (2/24/21)	a: Zip:	0	Q		_	
Project Location	New Mexico	Aling Phone #:	10 #:	0	-			
Sampler Name:	* CLIFF BRUNSON	-Jej-1 Fax #	77					
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING	X			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE:			BTE			
1	BOUNDARY 11@1'	7	5	=	1			
1,	BOUNDARY 12@1'		7/16/24	_	1.			
ū	BOUNDARY 13@1'		7/16/24	1				
4	BOUNDARY 14@1'		7/16/24	10:52AM		_	_	
5	BOUNDARY 15@1'		7/16/24	-				
6	BOUNDARY 16@1'		7/16/24	11:10AM	•			
J	BOUNDARY 17@1		7/16/24	11:20AM	( )			
5	BOUNDARY 18@1'		7/16/24	11:30AM	•			
pl	BOUNDARY 19@1'		7/16/24	11:40AM	•			
LEASE NOTE: Liability and Dam nailyses. All claims including mos ervice. Is no event shall Cardonal	UNDARY 20@1' ages Cardina's liability and clique's exclusive rem is for negligience and any other cause whatsoever bacilities for increaceal or conservanted demonstra	edy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in writing and received by Caudinal writin 30 days after completion of the applicable shall be deemed waved unless made in the shall be applied by the sha	7/16/24 all be limited to the amount by Cardinal within 30 days.	24 11:51AM v sunt paid by the cliest for the ays after completion of the appli	cable			
Relinduished By	With a standard to the performance of Date; 182	Received By: Broceived By: June Hunt Hunt	Con any of the above stated	Phone Result: Fax Result: REMARKS:	□ Yes □ □ Yes □	Add'l Phone #: Add'l Fax #:		•
Delivered By	Delivered By: (Circle One)	ADAMOP Sample Condition	CHECKED BY:	Date	Char	reference i nume + a	1 IWING	e + que ou
Sampler - UPS	Sampler - UPS - Bus - Other: #105		(Initials)			2/2.2	tals	

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC Ir	BBC International, Inc.		BILL TO				21124
Project Manager: Cliff Brunson	runson		P.O. #:	-		ANALTSIS RE	REQUEST
Address: P.O. Box 805	5		Company: Oxy				
city: Hobbs	State: NM	Zip: 88241					_
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:				
Project # Vedar (a	edas Cauyon WFibrect Owner: Oxy	: Oxy	City:	2			
Project Name: SAND DUN	IN 122 TILLES CORRIDORN WITH	WIREOUSHCIE (22)	State: Zip:	le			
Sampler Name: CLIFF	CLIFF BRUNSON	+2/0/5	Phone #: Fax #:	i	Г		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	ING	XX	_	
Lab I.D. Yzyuńn	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: CE / COOL OTHER : DATE	Chlor	BTE		
Z) BOUNDA	BOUNDARY 21@1'	-	5 71	12:05PM	~ ~		
22 BOUNDA	BOUNDARY 22@1'	<	7116/24	12:11PM 🗸	<		
analyses. All claims including those for negligence and any other cause whatsoever shall be deened waved where you coursed or you, so are issued to the seminated by the claim(by the claim) service. If no event shall cardinal be hable for incredental or consequential damages, including without limitation, business anterruptions, loss of use, pupers of potitive scalar be table for incredental or consequential damages, including without limitation, business anterruptions, loss of use, pupers of potitive scalared by claim a terruption by the subsidiaries. attiliates or successing among out of or related to preventing any services hereunder by Cardinal related to where such claim is based years and of the above stated reasons or otherwise. <b>Relinquished By</b> .	the and any differ cause whatsoever shall be deemed waved unless modential or consequential damages, including without limitation, busin to Weetformance of services harecunder by Chronical regardless of your to the sector of the services harecunder by Chronical and the sector of the termination of the services harecunder by Chronical and the sector of the termination of the services harecunder by Chronical and the sector of the termination of the services harecunder by Chronical and the sector of the termination of the services harecunder by Chronical and the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector of the termination of the sector of the sector of the sector of the sector of the termination of the sector	emed waived unless made in writing and received without limitation, business interruptions, loss of use tithnal, regardless of writines such claim is based y	es or incorrectived by Creational within 30 days after completion of the and received by Creational within 30 days after completion of the rs. Loss of use, proposil profilm incorrect by client, its subsidiaries in its based upon loy of the above stated reasons or otherwise.	paid by the client for the after completion of the applicab by client, its subsidiaries, reasons or otherwise	ie		
4 20	Time and with	Received By:	ma	Fax Result: REMARKS:	The INO	Add Fax #:	reated name of
Relivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact	Initials)		(	.0	-7/23/2

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

#140

No No

B

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



January 30, 2025

HADLIE GREEN

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: CEDAR CANYON WTF

Enclosed are the results of analyses for samples received by the laboratory on 01/27/25 11:44.

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 <a href="https://www.tceg.texas.gov/field/ga/lab\_accred\_certif.html">www.tceg.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CEDAR CANYON WT Project Number: 03B1417269 Project Manager: HADLIE GREEN Fax To:	F Reported: 30-Jan-25 17:01
--	--	--------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS 01 0.5'	H250463-01	Soil	23-Jan-25 12:17	27-Jan-25 11:44
SS 02 0.5'	H250463-02	Soil	23-Jan-25 10:10	27-Jan-25 11:44
SS 03 0.5'	H250463-03	Soil	23-Jan-25 12:21	27-Jan-25 11:44
SS 04 0.5'	H250463-04	Soil	23-Jan-25 12:32	27-Jan-25 11:44
SS 05 0.5'	H250463-05	Soil	23-Jan-25 10:37	27-Jan-25 11:44
SS 06 0.5'	H250463-06	Soil	23-Jan-25 14:11	27-Jan-25 11:44
SS 07 0.5'	H250463-07	Soil	23-Jan-25 10:19	27-Jan-25 11:44
SS 08 0.5'	H250463-08	Soil	23-Jan-25 13:05	27-Jan-25 11:44

01/30/25 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 01/28/25.

# Cardinal Laboratories

# \*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B				3	Reported: 30-Jan-25 17:(	01
				01 0.5' 463-01 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5012819	HM	28-Jan-25	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			125 %	71.5	-134	5012719	ЈН	27-Jan-25	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			99.2 %	48.2	-134	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	5012721	MS	28-Jan-25	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project: CEDAR CANYON WTF Project Number: 03B1417269 Project Manager: HADLIE GREEN Fax To:						Reported: 30-Jan-25 17:01			
				02 0.5' 463-02 (Se	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	288		16.0	mg/kg	4	5012819	HM	28-Jan-25	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	5012719	ЛН	27-Jan-25	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	ЛН	27-Jan-25	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	ЛН	27-Jan-25	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	ЛН	27-Jan-25	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		123 %	71.5	-134	5012719	ЈН	27-Jan-25	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B		
Surrogate: 1-Chlorooctane			97.4 %	48.2	-134	5012721	MS	28-Jan-25	8015B		
Surrogate: 1-Chlorooctadecane			98.4 %	49.1	-148	5012721	MS	28-Jan-25	8015B		

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B				3	Reported: 30-Jan-25 17:0	01
				03 0.5' 463-03 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds	272		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-Cl-B	
Chloride	272		16.0	mg/kg	4	5012822	ΚV	28-Jan-25	4500-CI-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		125 %	71.5	-134	5012719	ЛН	27-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			89.7 %	48.2	-134	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			89.1 %	49.1	-148	5012721	MS	28-Jan-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B				3	Reported: 30-Jan-25 17:	01
				04 0.5' 463-04 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 80	021								
Benzene*	< 0.050		0.050	mg/kg	50	5012719	ЛН	27-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	ЈН	27-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		122 %	71.5	-134	5012719	JH	27-Jan-25	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			95.8 %	48.2	-134	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			95.3 %	49.1	-148	5012721	MS	28-Jan-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705		Project: CEDAR CANYON WTF Project Number: 03B1417269 Project Manager: HADLIE GREEN Fax To:						Reported: 30-Jan-25 17:01			
				05 0.5' 463-05 (Se	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds	64.0		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-Cl-B		
Chloride			10.0	iiig/kg	4	3012822	ΚV	28-Jan-23	4500-CI-B		
Volatile Organic Compounds		021									
Benzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	JH	27-Jan-25	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	JH	27-Jan-25	8021B		
Surrogate: 4-Bromofluorobenzene (PL	D)		121 %	71.5	-134	5012719	JH	27-Jan-25	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B		
Surrogate: 1-Chlorooctane			102 %	48.2	-134	5012721	MS	28-Jan-25	8015B		
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	5012721	MS	28-Jan-25	8015B		

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: CEDAR CANYON WTF Project Number: 03B1417269 Project Manager: HADLIE GREEN Fax To:							3	Reported: 30-Jan-25 17:	01
				06 0.5' 163-06 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			122 %	71.5	-134	5012719	ЈН	27-Jan-25	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			90.6 %	48.2	-134	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			89.8 %	49.1	-148	5012721	MS	28-Jan-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B				3	Reported: 30-Jan-25 17:	01
				07 0.5' 163-07 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	ЛН	27-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	ЈН	27-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		117 %	71.5	-134	5012719	JH	27-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			129 %	48.2	-134	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			131 %	49.1	-148	5012721	MS	28-Jan-25	8015B	

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705			Project Num Project Mana	ber: 03B				3	Reported: 30-Jan-25 17:0	01
				08 0.5' 463-08 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	304		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		123 %	71.5	-134	5012719	ЛН	27-Jan-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	5012721	MS	28-Jan-25	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: C Project Number: 0 Project Manager: H Fax To:		Reported: 30-Jan-25 17:01
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# **Inorganic Compounds - Quality Control**

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012819 - 1:4 DI Water										
Blank (5012819-BLK1)				Prepared &	& Analyzed:	28-Jan-25				
Chloride	ND	16.0	mg/kg							
LCS (5012819-BS1)				Prepared &	& Analyzed:	28-Jan-25				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (5012819-BSD1)				Prepared &	& Analyzed:	28-Jan-25				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 5012822 - 1:4 DI Water										
Blank (5012822-BLK1)				Prepared &	& Analyzed:	28-Jan-25				
Chloride	ND	16.0	mg/kg							
LCS (5012822-BS1)				Prepared 8	& Analyzed:	28-Jan-25				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (5012822-BSD1)				Prepared 8	& Analyzed:	28-Jan-25				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

<b>Cardinal Laboratories</b>	Caro	linal	Labo	rato	ories
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012719 - Volatiles										
Blank (5012719-BLK1)				Prepared &	Analyzed:	27-Jan-25				
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)	0.0621		mg/kg	0.0500		124	71.5-134			
LCS (5012719-BS1)				Prepared &	Analyzed:	27-Jan-25				
Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130			
Toluene	2.04	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.05	0.100	mg/kg	4.00		101	89-129			
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125			
Total Xylenes	6.15	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0542		mg/kg	0.0500		108	71.5-134			
LCS Dup (5012719-BSD1)				Prepared &	Analyzed:	27-Jan-25				
Benzene	2.22	0.050	mg/kg	2.00		111	82.8-130	7.79	15.8	
Toluene	2.26	0.050	mg/kg	2.00		113	86-128	10.2	15.9	
Ethylbenzene	2.31	0.050	mg/kg	2.00		116	85.9-128	11.3	16	
m,p-Xylene	4.54	0.100	mg/kg	4.00		113	89-129	11.4	16.2	
o-Xylene	2.34	0.050	mg/kg	2.00		117	86.1-125	10.6	16.7	
Total Xylenes	6.88	0.150	mg/kg	6.00		115	88.2-128	11.1	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0553		mg/kg	0.0500		111	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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# Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5012721 - General Prep - Organics										
Blank (5012721-BLK1)				Prepared &	Analyzed:	27-Jan-25				
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	51.9		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	49.1-148			
LCS (5012721-BS1)				Prepared &	z Analyzed:	27-Jan-25				
GRO C6-C10	189	10.0	mg/kg	200		94.6	81.5-123			
DRO >C10-C28	197	10.0	mg/kg	200		98.4	77.7-122			
Total TPH C6-C28	386	10.0	mg/kg	400		96.5	80.9-121			
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			
LCS Dup (5012721-BSD1)				Prepared &	Analyzed:	27-Jan-25				
GRO C6-C10	232	10.0	mg/kg	200		116	81.5-123	20.5	13	QR-0
DRO >C10-C28	242	10.0	mg/kg	200		121	77.7-122	20.6	15.6	QR-0
Total TPH C6-C28	474	10.0	mg/kg	400		119	80.9-121	20.6	18.5	QR-0
Surrogate: 1-Chlorooctane	68.8		mg/kg	50.0		138	48.2-134			S-0
Surrogate: 1-Chlorooctadecane	67.7		mg/kg	50.0		135	49.1-148			

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# **Notes and Definitions**

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
QR-04	The RPD for the BS/BSD was outside of historical limits.
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 SM4500CI-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, Lab Director/Quality Manager

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC		BILLES	
Project Manager: Hadlie Green		PO #	ANALYSIS REQUEST
Address: 601 N. Marienfeld St. STE	STE 400		
City: Midland	State: TX Zip: 79701	Atta: Wade Dittach	
Phone #: 432-557-8895	Fax #:	8	
Project #: 0381417269	Project Owner:	Cito:	
Project Name: Cedon Con	Common WTF	City:	
)n:			
2	2	Phone #: 575-390-2828	2
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim analyses. All claims including those for negligence and any other cause whatsoever shall be deemed service. In no event shall Cardinal to lable to include the includence of the service.	PEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount pad by the client for the service. In no event shall Cardinal to liability and other cause whatsoever shall be deemed waived unless made in writing and received to the amount pad by the client for the service. In no event shall Cardinal to liability and other cause whatsoever shall be deemed waived unless made in writing and received to the amount pad by the client for the	fort, shall be limited to the amount paid by the client for the	
affliates or successors arising out of or related to the performance Relinquished By:	atfinities or successors arising out of or related to the performance of senices hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By: Date: Verbal Received By: Verbal Received By:	pplicable	
Cluwall Adermoto Relinguished BY:	1.	All Results are emailed. Pla BJennings@ensolum.com	All Results are emailed. Please provide Email address: BJennings@ensolum.com
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Delivered By: (Circle One)	Observed Temp. CZ. 0 Sample Condition	CHECKED BY	
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		correction changes to celey.keene(	

Page 338 of 345

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

QUESTIONS

Action 429733

QUESTIONS	
Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	429733
	Action Type: [C-141] Site Char /Remediation Plan C-141 /C-141-v-Plan)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2306952144
Incident Name	NAPP2306952144 CEDAR CANYON 15 1 WATER TREATMENT FACILITY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fBGB1922049166] CEDAR CANYON RECYCLING FACILITY A AND B
L	

#### Location of Release Source

Please answer all the questions in this group.
--

Site Name	CEDAR CANYON 15 1 WATER TREATMENT FACILITY
Date Release Discovered	02/25/2023
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: Equipment Failure   Other (Specify)   Produced Water   Released: 120 BBL   Recovered: 110 BBL   Lost: 10 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)	Level indicator failure at Water Treatment Facility	

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

Page 3	340 a	of 345
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QUESTIONS, Page 2

Action 429733

QUESTIONS (continued)	
Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	429733
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial Response		
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
	Not answered. Iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subnaragraph (a) of Paragraph (5) 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: 02/07/2025	

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

Page 341 of 345

QUESTIONS, Page 3

Action 429733

Operator:	OGRID:	
OXY USA INC P.O. Box 4294 Houston, TX 772104294	16696	
	Action Number:	
	429733	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
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.		
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**QUESTIONS** (continued)

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (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	Between 1 and 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 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Zero feet, overlying, or within area
Did the release impact areas not on an exploration, development, production, or storage site	No

# Remediation Plan

Please answer all the questions ti	hat 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
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained 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 CI B)	80800
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	45646
GRO+DRO	(EPA SW-846 Method 8015M)	37436
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes completed nelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
On what estimated date with	ill the remediation commence	02/15/2025
On what date will (or did) t	he final sampling or liner inspection occur	08/05/2025
On what date will (or was)	the remediation complete(d)	08/05/2025
What is the estimated surfa	ace area (in square feet) that will be reclaimed	58430
What is the estimated volu	me (in cubic yards) that will be reclaimed	8650
What is the estimated surfa	ace area (in square feet) that will be remediated	58430
What is the estimated volu	me (in cubic yards) that will be remediated	8650
These estimated dates and measu	rements are recognized to be the best guess or calculation at th	e 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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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTI	ONS (continued)	
Operator: OXY USA INC P.O. Box 4294	OGRID: 16696 Action Number:	
Houston, TX 772104294	429733	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the	e 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	e / reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site 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 ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/07/2025	

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.

Page 342 of 345

Action 429733

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

Page	343	of 345
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QUESTIONS, Page 5

Action 429733

QUESTIONS (continued)		
Operator:	OGRID:	
OXY USA INC	16696	
P.O. Box 4294 Houston, TX 772104294	Action Number:	
	429733	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
OUESTIONS		

Deferral	Requests	Only

bolonia nequeete eniy			
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.			
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο		

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

QUESTIONS (continued)			
Operator: OXY USA INC	OGRID: 16696		
P.O. Box 4294 Houston, TX 772104294	Action Number: 429733		
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)		
QUESTIONS			
Sampling Event Information			
Last sampling notification (C-141N) recorded	{Unavailable.}		

### **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	No		

Page 344 of 345

General Information Phone: (505) 629-6116

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

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

Page	345	of 345	

CONDITIONS

Action 429733

CONDITIONS			
Operator:	OGRID:		
OXY USA INC	16696		
P.O. Box 4294	Action Number:		
Houston, TX 772104294	429733		
	Action Type:		
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)		

CONDITIONS				
	Created By	Condition	Condition Date	
	crystal.walker	Remediation Plan approved with variance request to complete excavation and soil sampling activities within 180 days of 2/10/2025. Remediation complete date is 8/10/2025 with closure report due on 9/10/2025	2/10/2025	