



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-

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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.

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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® chloride QuanTab® 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 Cl-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.

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### 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](mailto:bjennings@ensolum.com).

Sincerely,  
**Ensolum, LLC**



Hadlie Green  
Project Geologist



Beaux Jennings  
Associate Principal

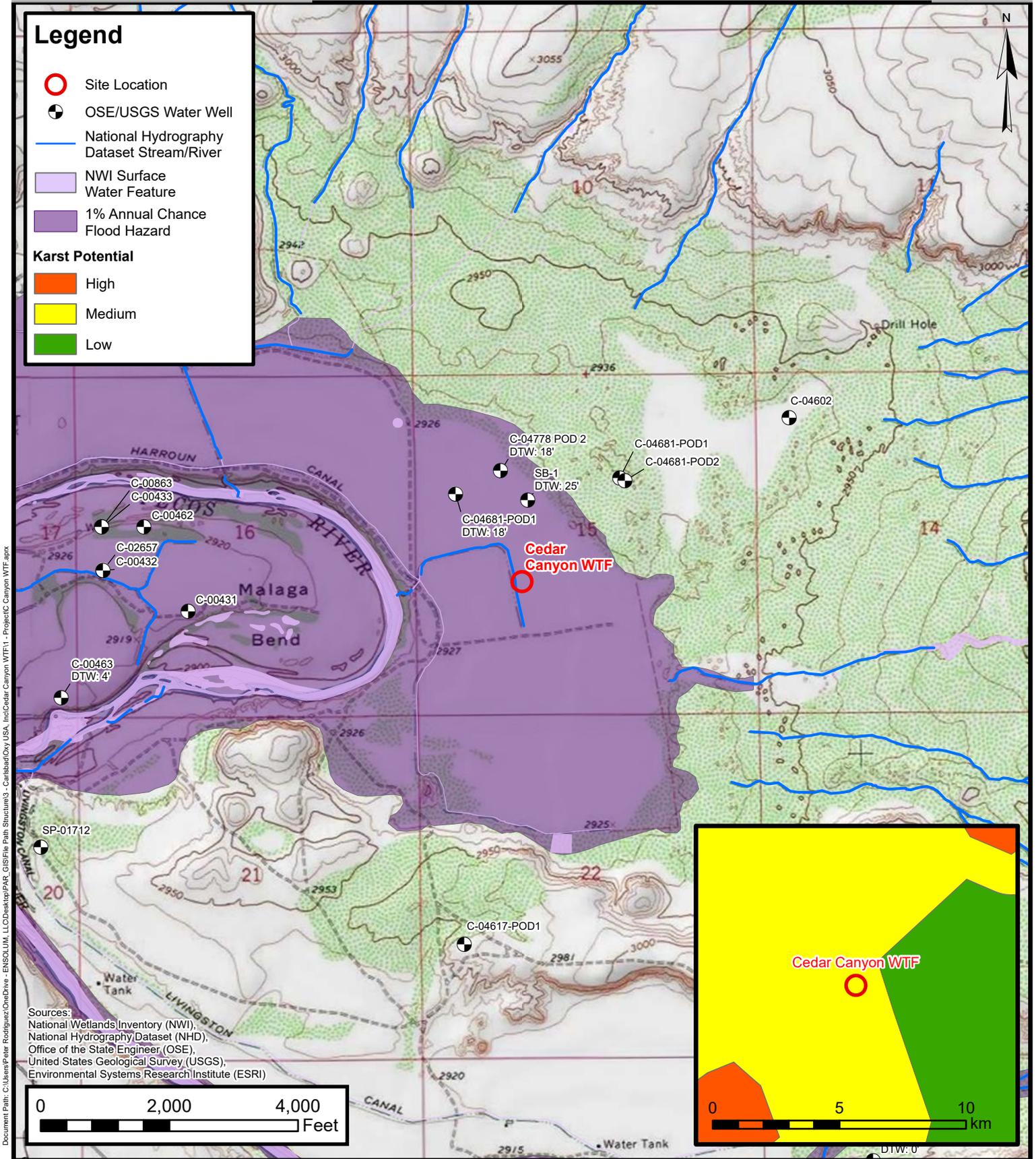
cc: Wade Dittrich, Oxy

#### Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Table 1 Soil 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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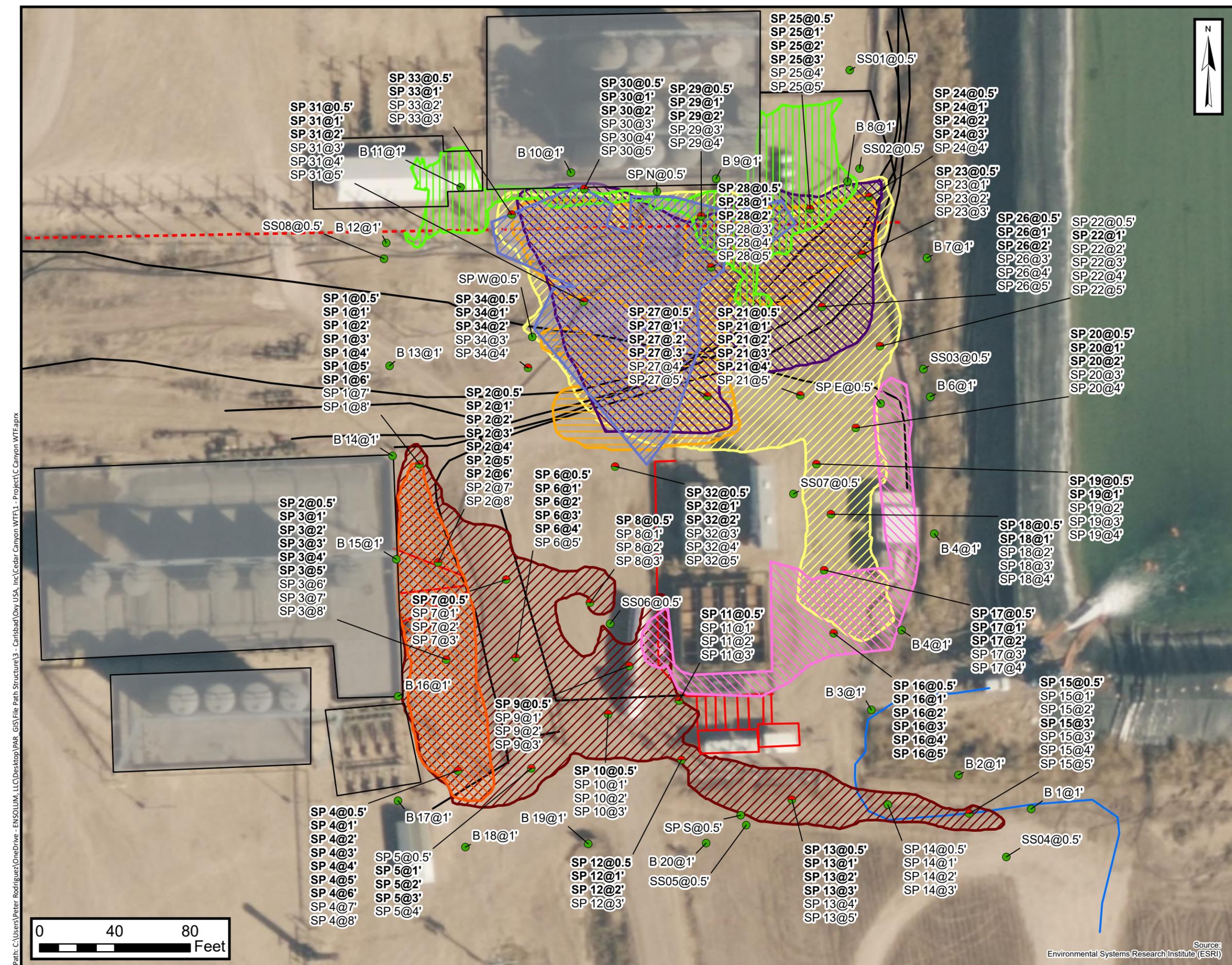
**ENSOLUM**  
Environmental, Engineering and Hydrogeologic Consultants

## Site Receptor Map

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**FIGURE**  
**1**



### Legend

- 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

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**FIGURE 2**

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

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Source:  
Environmental Systems Research Institute (ESRI)



TABLES



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
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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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Delineation Soil Samples</b>										
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	<b>26,000</b>
SP 1	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>5,120</b>
SP 1	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>5,920</b>
SP 1	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>5,120</b>
SP 1	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>5,600</b>
SP 1	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>7,840</b>
SP 1	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>944</b>
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	<b>52,000</b>
SP 2	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>6,320</b>
SP 2	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>7,760</b>
SP 2	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>6,080</b>
SP 2	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>7,200</b>
SP 2	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>7,200</b>
SP 2	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>832</b>
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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 3	05/23/2024	0.5	<0.050	<0.300	<10.0	488	166	488	<b>654</b>	<b>62,400</b>
SP 3	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>8,320</b>
SP 3	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>7,200</b>
SP 3	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>3,840</b>
SP 3	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>6,400</b>
SP 3	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>3,680</b>
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	<b>80,800</b>
SP 4	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>8,240</b>
SP 4	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>9,400</b>
SP 4	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>9,860</b>
SP 4	05/24/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>8,800</b>
SP 4	05/24/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>7,730</b>
SP 4	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>896</b>
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	<b>1,120</b>
SP 5	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>720</b>
SP 5	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>800</b>
SP 5	07/01/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
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 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 6	05/24/2024	0.5	<0.050	<0.300	<10.0	52.4	<10.0	52.4	52.4	<b>40,800</b>
SP 6	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>4,480</b>
SP 6	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,120</b>
SP 6	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,040</b>
SP 6	05/24/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>832</b>
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	<b>4,480</b>
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	<b>1,800</b>
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	<b>2,720</b>
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	<b>2,560</b>
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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 11	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>6,720</b>
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	<b>3,670</b>	<b>3,670</b>	<b>5,120</b>
SP 12	05/29/2024	1	<0.050	<0.300	<10.0	149	<10.0	149	<b>149</b>	<b>752</b>
SP 12	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>608</b>
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	<b>9,200</b>
SP 13	05/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>3,360</b>
SP 13	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>3,760</b>
SP 13	05/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,710</b>
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	<b>656</b>
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	<b>4,720</b>
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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 16	05/29/2024	0.5	<0.050	<0.300	<10.0	38.9	44.9	38.9	83.8	<b>4,880</b>
SP 16	05/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>768</b>
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	<b>640</b>
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	<b>30,000</b>
SP 17	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>4,400</b>
SP 17	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>3,520</b>
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	<b>15,000</b>
SP 18	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>608</b>
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	<b>9,900</b>
SP 19	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>896</b>
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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 20	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>3,920</b>
SP 20	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,380</b>
SP 20	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>928</b>
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	<b>8,400</b>
SP 21	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,380</b>
SP 21	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,280</b>
SP 21	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>624</b>
SP 21	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>672</b>
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	<b>3,040</b>
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	<b>1,320</b>
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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 24	05/31/2024	0.5	<0.050	<0.300	<10.0	84.5	31.3	84.5	<b>115.8</b>	<b>37,600</b>
SP 24	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>6,000</b>
SP 24	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,300</b>
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	<b>5,360</b>
SP 25	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>2,400</b>
SP 25	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,400</b>
SP 25	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>480</b>
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	<b>21,780</b>	<b>6,400</b>
SP 26	06/03/2024	1	<0.050	<0.300	<10.0	2,240	778	2,240	<b>3,018</b>	<b>4,080</b>
SP 26	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>6,500</b>
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	<b>7,040</b>	<b>20,600</b>
SP 27	06/03/2024	1	<0.050	<0.300	<10.0	24.7	<10.0	24.7	24.7	<b>7,800</b>
SP 27	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>6,200</b>
SP 27	06/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>848</b>
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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 28	06/03/2024	0.5	<0.050	0.37	136	37,300	8,210	37,436	<b>45,646</b>	<b>16,800</b>
SP 28	06/03/2024	1	<0.050	<0.300	67.5	4,050	852	4,118	<b>4,970</b>	<b>2,080</b>
SP 28	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,380</b>
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	<b>36,750</b>	<b>8,560</b>
SP 29	06/03/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>3,600</b>
SP 29	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,310</b>
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	<b>7,500</b>
SP 30	06/03/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>2,200</b>
SP 30	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,700</b>
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	<b>1,180</b>	<b>23,600</b>
SP 31	06/05/2024	1	<0.050	<0.300	<10.0	39.0	<10.0	39.0	39.0	<b>1,040</b>
SP 31	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>960</b>
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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
SP 32	06/04/2024	0.5	<0.050	<0.300	<10.0	109	98.8	109	<b>208</b>	<b>21,600</b>
SP 32	06/04/2024	1	<0.050	<0.300	<10.0	53.3	12.8	53.3	66.1	<b>2,280</b>
SP 32	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>4,800</b>
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	<b>976</b>
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	<b>4,880</b>
SP 34	06/05/2024	1	<0.050	<0.300	<10.0	62.8	<10.0	62.8	62.8	<b>864</b>
SP 34	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1,330</b>
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
B 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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
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
B 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



**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Cedar Canyon WTF  
 Oxy USA Inc.  
 Eddy County, New Mexico

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)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
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

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

RECEIVED  
 2023 DEC 18 PM 2:09  
 STATE ENGINEER OFFICE  
 LAS CRUCES, NEW MEXICO

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) BMW-1 <b>POD 1</b>		WELL TAG ID NO. <del>C-4778</del> <b>Pod 1</b>		OSE FILE NO(S) <b>C-4778</b>	
	WELL OWNER NAME(S) Oxy USA Inc.				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS P.O Box 4294				CITY Houston	STATE ZIP TX 77210
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 13	SECONDS 11	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LATITUDE	LONGITUDE		105	58	44.8

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE  
Approximately 55ft south of pads

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1757	NAME OF LICENSED DRILLER David Draybuck			NAME OF WELL DRILLING COMPANY Envirotech Drilling Services		
	DRILLING STARTED 10/03/2023	DRILLING ENDED 10/03/2023	DEPTH OF COMPLETED WELL (FT) 40ft	BORE HOLE DEPTH (FT) 40ft	DEPTH WATER FIRST ENCOUNTERED (FT) 18ft		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>27.5</b>	DATE STATIC MEASURED <b>10-3-23</b>	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
FROM	TO						
0	15	6	PVC	Flush Joint	2	SCH 40	.010
15	40	6	PVC	Flush Joint	2	SCH 40	.010

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	1	6	Concrete		Poured
	1	13	6	Bentonite		Poured
	13	40	6	Sand		Poured

FOR OSE INTERNAL USE

FILE NO. <b>C-4778-POD 1</b>	BMW-1	POD NO. <b>POD 1</b>	WR-20 WELL RECORD & LOG (Version 09/22/2022)
LOCATION <b>man 24.29.15.131</b>		TRN NO. <b>761694</b>	
		WELL TAG ID NO. _____	PAGE 1 OF 2

OSE OFF DEC 21 2023 PM 2:11





APPENDIX B  
Photographic Log

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**Photographic Log**  
Oxy USA Inc.  
Cedar Canyon WTF  
API: 30-015-42797



Photograph: 1 Date: 1/23/2025  
Description: Assessment sampling activities  
View: North

Photograph: 2 Date: 1/23/2025  
Description: Site overview  
View: North



Photograph: 3 Date: 1/23/2025  
Description: Site overview  
View: Northeast

Photograph: 4 Date: 1/23/2025  
Description: Site overview  
View: South



## APPENDIX C

### Laboratory Analytical Reports & Chain of Custody Documentation

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

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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
--	--	------------------------------

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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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: 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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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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. 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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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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. 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
--	--	------------------------------

**SP N@ SURFACE  
H243043-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		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	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 (PID)			89.7 %		71.5-134	4053132	JH	03-Jun-24	8021B	
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**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			76.0 %		48.2-134	4053123	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			90.5 %		49.1-148	4053123	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP E@ SURFACE**

**H243043-02 (Soil)**

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

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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 (PID)			89.1 %	71.5-134		4053132	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			89.2 %	49.1-148		4053123	MS	03-Jun-24	8015B	
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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
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**SP W@ SURFACE**

**H243043-03 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			89.8 %	71.5-134		4053132	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			59.5 %	48.2-134		4053123	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			67.2 %	49.1-148		4053123	MS	03-Jun-24	8015B	
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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
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**SP S@ SURFACE**

**H243043-04 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			88.9 %	71.5-134		4053132	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			77.7 %	48.2-134		4053123	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			87.2 %	49.1-148		4053123	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 1@ SURFACE**

**H243043-05 (Soil)**

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

**Inorganic Compounds**

Chloride	26000		16.0	mg/kg	4	4060336	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			127 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			84.4 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 1@1'  
H243043-06 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>5120</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	QM-07
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**Volatile Organic Compounds by EPA Method 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 (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	
<b>DRO &gt;C10-C28*</b>	<b>31.1</b>		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>10.7</b>		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

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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**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
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**SP 1@2'  
H243043-07 (Soil)**

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

**Inorganic Compounds**

Chloride	5920		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			123 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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			82.2 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			76.7 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 1@3'  
H243043-08 (Soil)**

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

**Inorganic Compounds**

Chloride	5120		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			122 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			92.4 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 1@4'  
H243043-09 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>5600</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			128 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			84.3 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.9 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 1@5'  
H243043-10 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>7840</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			84.5 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.2 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 2@SURFACE**

**H243043-11 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>52000</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>31.6</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			77.3 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.9 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 2@1'  
H243043-12 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6320</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			121 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			83.3 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.8 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 2@2'  
H243043-13 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>7760</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			85.5 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.0 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 2@3'  
H243043-14 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6080</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			89.4 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.2 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 2@4'  
H243043-15 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>7200</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			85.9 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.1 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 2@5'  
H243043-16 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>7200</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			88.9 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.6 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 3@SURFACE**

**H243043-17 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>62400</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>488</b>		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>166</b>		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.7 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.3 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP3@1'  
H243043-18 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>8320</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			85.8 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.2 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP 3@2'  
H243043-19 (Soil)**

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

**Inorganic Compounds**

Chloride	7200		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			112 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			81.2 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP3@3'  
H243043-20 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>3840</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		71.5-134	4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			85.3 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.7 %		49.1-148	4053124	MS	03-Jun-24	8015B	
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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
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**SP3@4'  
H243043-21 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6400</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			89.4 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.8 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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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
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**SP3@5'  
H243043-22 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>3680</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			88.6 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.5 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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**Analytical Results For:**

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**SP 4@SURFACE**

**H243043-23 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>80800</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>26.6</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			69.0 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			63.8 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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**Analytical Results For:**

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**SP 4@1'  
H243043-24 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>8240</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		4060306	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			88.0 %	48.2-134		4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.7 %	49.1-148		4053124	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 4@2'  
H243043-25 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>9400</b>		16.0	mg/kg	4	4060423	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			92.5 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.1 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 4@3'  
H243043-26 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>9860</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			96.7 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.4 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 4@4'  
H243043-27 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>8800</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 4@5'  
H243043-28 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>7730</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			83.6 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.5 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 5@SURFACE**

**H243043-29 (Soil)**

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

**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			106 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			58.2 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 5@1'  
H243043-30 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1120</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			73.7 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.4 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 5@2'  
H243043-31 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>720</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			72.5 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.1 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 5@3'  
H243043-32 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>800</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			74.0 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.5 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 6@SURFACE**

**H243043-33 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>40800</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>52.4</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			58.1 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			58.9 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 6@1'  
H243043-34 (Soil)**

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

**Inorganic Compounds**

Chloride	4480		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			99.6 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			72.4 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 6@2'  
H243043-35 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1120</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			70.6 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			70.3 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 6@3'  
H243043-36 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1040</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			80.0 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.4 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 6@4'  
H243043-37 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>832</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.2 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			89.0 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.8 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 6@5'  
H243043-38 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			94.0 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.6 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 7@SURFACE**

**H243043-39 (Soil)**

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

**Inorganic Compounds**

Chloride	4480		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			100 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			86.4 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 7@1'  
H243043-40 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>352</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			83.8 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.4 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 7@2'  
H243043-41 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.2 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			79.9 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.8 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 7@3'  
H243043-42 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.3 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			78.4 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.2 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 8@SURFACE**

**H243043-43 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1800</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			73.6 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.5 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 8@1'  
H243043-44 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		4060307	JH	04-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			96.3 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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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
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**SP 8@2'  
H243043-45 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>256</b>		16.0	mg/kg	4	4060419	AC	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.4 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			85.6 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.0 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 8@3'  
H243043-46 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.8 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			94.0 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.0 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 9@SURFACE**

**H243043-47 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>2720</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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 (PID)			99.0 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>276</b>		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>205</b>		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	
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Surrogate: 1-Chlorooctadecane			79.6 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 9@1'  
H243043-48 (Soil)**

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

**Inorganic Compounds**

Chloride	336		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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 (PID)			99.1 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			74.6 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 9@2'  
H243043-49 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			86.4 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.6 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 9@3'  
H243043-50 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>336</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.6 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			89.0 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.6 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 10@SURFACE**

**H243043-51 (Soil)**

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

**Inorganic Compounds**

Chloride	2560		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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 (PID)			99.0 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			72.9 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 10@1'  
H243043-52 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.2 %		71.5-134	4060308	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>54.0</b>		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>37.2</b>		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.3 %		48.2-134	4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			71.8 %		49.1-148	4053126	MS	03-Jun-24	8015B	
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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
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**SP 10@2'  
H243043-53 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			76.1 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.2 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 10@3'  
H243043-54 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.5 %		71.5-134	4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			93.1 %		48.2-134	4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.6 %		49.1-148	4053126	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 11@SURFACE**

**H243043-55 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6720</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.6 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			93.2 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.2 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 11@1'  
H243043-56 (Soil)**

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

**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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 (PID)			97.9 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			92.1 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 11@2'  
H243043-57 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>448</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.7 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			93.2 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.1 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 11@3'  
H243043-58 (Soil)**

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

**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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 (PID)			99.2 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			85.8 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 12@SURFACE**

**H243043-59 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>5120</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.0 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>3670</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			81.7 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			124 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 12@1'  
H243043-60 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>752</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.2 %		71.5-134	4060308	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>149</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			86.4 %		48.2-134	4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.3 %		49.1-148	4053126	MS	03-Jun-24	8015B	
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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
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**SP 12@2'  
H243043-61 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>608</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.8 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			96.3 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.0 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 12@3'  
H243043-62 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.0 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			88.7 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.5 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 13@SURFACE**

**H243043-63 (Soil)**

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

**Inorganic Compounds**

Chloride	9200		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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 (PID)			97.2 %		71.5-134	4060308	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			81.9 %		49.1-148	4053126	MS	03-Jun-24	8015B	
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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
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**SP 13@1'  
H243043-64 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>3360</b>		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.1 %	71.5-134		4060308	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			69.1 %	48.2-134		4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			62.6 %	49.1-148		4053126	MS	03-Jun-24	8015B	
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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
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**SP 13@2'  
H243043-65 (Soil)**

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

**Inorganic Compounds**

Chloride	3760		16.0	mg/kg	4	4060424	HM	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			91.1 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 13@3'  
H243043-66 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1710</b>		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			89.2 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.7 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 13@4'  
H243043-67 (Soil)**

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

**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			90.6 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 13@5'  
H243043-68 (Soil)**

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

**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 14@SURFACE**

**H243043-69 (Soil)**

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

**Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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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



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

**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
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**SP 14@1'  
H243043-70 (Soil)**

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

**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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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



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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
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**SP 14@2'  
H243043-71 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			94.1 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 14@3'  
H243043-72 (Soil)**

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

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			111 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 15@SURFACE**

**H243043-73 (Soil)**

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

**Inorganic Compounds**

Chloride	656		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 15@1'  
H243043-74 (Soil)**

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

**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			113 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 15@2'  
H243043-75 (Soil)**

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

**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			120 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 15@3'  
H243043-76 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>4720</b>		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>42.8</b>		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>43.0</b>		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.4 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.9 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 16@SURFACE**

**H243043-77 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>4880</b>		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>38.9</b>		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>44.9</b>		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	
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Surrogate: 1-Chlorooctadecane			85.8 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 16@1'  
H243043-78 (Soil)**

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

**Inorganic Compounds**

Chloride	768		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 16@2'  
H243043-79 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>496</b>		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			86.0 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.8 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**SP 16@3'  
H243043-80 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>640</b>		16.0	mg/kg	4	4060343	AC	04-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	JH	03-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060309	JH	03-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			114 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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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
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060336 - 1:4 DI Water**

<b>Blank (4060336-BLK1)</b>										
Prepared & Analyzed: 03-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4060336-BS1)</b>										
Prepared & Analyzed: 03-Jun-24										
Chloride	448	16.0	mg/kg	400		112	80-120			
<b>LCS Dup (4060336-BSD1)</b>										
Prepared & Analyzed: 03-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120	7.41	20	

**Batch 4060343 - 1:4 DI Water**

<b>Blank (4060343-BLK1)</b>										
Prepared & Analyzed: 03-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4060343-BS1)</b>										
Prepared & Analyzed: 03-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (4060343-BSD1)</b>										
Prepared & Analyzed: 03-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

**Batch 4060419 - 1:4 DI Water**

<b>Blank (4060419-BLK1)</b>										
Prepared & Analyzed: 04-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4060419-BS1)</b>										
Prepared & Analyzed: 04-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120			

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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
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060419 - 1:4 DI Water**

<b>LCS Dup (4060419-BSD1)</b> Prepared & Analyzed: 04-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	

**Batch 4060423 - 1:4 DI Water**

<b>Blank (4060423-BLK1)</b> Prepared & Analyzed: 04-Jun-24										
Chloride	ND	16.0	mg/kg							

<b>LCS (4060423-BS1)</b> Prepared & Analyzed: 04-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			

<b>LCS Dup (4060423-BSD1)</b> Prepared & Analyzed: 04-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

**Batch 4060424 - 1:4 DI Water**

<b>Blank (4060424-BLK1)</b> Prepared & Analyzed: 04-Jun-24										
Chloride	ND	16.0	mg/kg							

<b>LCS (4060424-BS1)</b> Prepared & Analyzed: 04-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			

<b>LCS Dup (4060424-BSD1)</b> Prepared & Analyzed: 04-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4053132 - Volatiles**

**Blank (4053132-BLK1)**

Prepared: 31-May-24 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		88.2	71.5-134			

**LCS (4053132-BS1)**

Prepared: 31-May-24 Analyzed: 03-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: 31-May-24 Analyzed: 03-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-3
o-Xylene	1.68	0.050	mg/kg	2.00		84.1	86.1-125	4.23	16.7	BS-3
Total Xylenes	5.07	0.150	mg/kg	6.00		84.6	88.2-128	4.85	16.3	BS-3
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							

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*Celey D. Keene*

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

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 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: 03-Jun-24 Analyzed: 04-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			

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060307 - Volatiles**

**LCS (4060307-BS1)**

Prepared: 03-Jun-24 Analyzed: 04-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			
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**LCS Dup (4060307-BS1)**

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			
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**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			
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*Celey D. Keene*

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

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060308 - Volatiles**

<b>LCS (4060308-BS1)</b>		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			

<b>LCS Dup (4060308-BS1)</b>		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**

<b>Blank (4060309-BLK1)</b>		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			

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

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 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			
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.5	89-129			
o-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-BS1)**

Prepared & Analyzed: 03-Jun-24

Benzene	1.72	0.050	mg/kg	2.00		86.0	82.8-130	2.68	15.8	
Toluene	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	
m,p-Xylene	4.07	0.100	mg/kg	4.00		102	89-129	2.13	16.2	
o-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

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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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4053123 - General Prep - Organics**

<b>Blank (4053123-BLK1)</b>		Prepared: 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	46.3		mg/kg	50.0		92.6	48.2-134			
Surrogate: 1-Chlorooctadecane	56.6		mg/kg	50.0		113	49.1-148			

<b>LCS (4053123-BS1)</b>		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			

<b>LCS Dup (4053123-BS1)</b>		Prepared: 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**

<b>Blank (4053124-BLK1)</b>		Prepared: 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	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			

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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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4053124 - General Prep - Organics**

LCS (4053124-BS1)		Prepared: 31-May-24 Analyzed: 03-Jun-24								
GRO C6-C10	199	10.0	mg/kg	200		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: 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: 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: 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			
Surrogate: 1-Chlorooctadecane	60.5		mg/kg	50.0		121	49.1-148			

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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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4053125 - General Prep - Organics**

<b>LCS Dup (4053125-BSD1)</b>		Prepared: 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**

<b>Blank (4053126-BLK1)</b>		Prepared: 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				

<b>LCS (4053126-BS1)</b>		Prepared: 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				

<b>LCS Dup (4053126-BSD1)</b>		Prepared: 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				

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**Analytical Results For:**

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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060302 - General Prep - Organics**

<b>Blank (4060302-BLK1)</b>		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			

<b>LCS (4060302-BS1)</b>		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			

<b>LCS Dup (4060302-BSD1)</b>		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			

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Celey D. Keene, Lab Director/Quality Manager



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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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager







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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

369

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.	P.O. #:
Project Manager: Cliff Brunson	Company: Oxy
Address: P.O. Box 805	Attn:
City: Hobbs	Address:
State: NM Zip: 88241	City:
Phone #: 575-397-6388	State:
Fax #: 575-397-0397	Zip:
Project #:	Project Owner: Oxy
Project Name: CEDAR CANYON WTE (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)	Project Location: New Mexico
Sampler Name: SIMON RENDAN	Phone #:
	Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
21	SP 3@4'								5/23/24	3:38PM	✓	✓	✓	
22	SP 3@5'								5/23/24	3:55PM	✓	✓	✓	
23	SP 4@SURFACE								5/24/24	9:30AM	✓	✓	✓	
24	SP 4@1'								5/24/24	9:47AM	✓	✓	✓	
25	SP 4@2'								5/24/24	10:11AM	✓	✓	✓	
26	SP 4@3'								5/24/24	10:25AM	✓	✓	✓	
27	SP 4@4'								5/24/24	10:42AM	✓	✓	✓	
28	SP 4@5'								5/24/24	11:00AM	✓	✓	✓	
29	SP 5@SURFACE								5/24/24	11:18AM	✓	✓	✓	
30	SP 5@1'								5/24/24	11:34AM	✓	✓	✓	

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Relinquished By: <i>[Signature]</i>	Date: 5-31-24	Time: 8:00 AM	Received By: <i>[Signature]</i>	Date: 5-31-24	Time: 8:13
Relinquished By: <i>[Signature]</i>	Date: 5-31-24	Time: 8:13	Received By: <i>[Signature]</i>	Date: 5-31-24	Time: 8:13
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #140	Sample Condition Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	Checked By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: <i>[Blank]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No
REMARKS: * Customer requested Date Change to 5/26/24					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

449

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDAN  
 P.O. #: Company: Oxy  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	Chloride	BTEX	TPHEXT
12430413	SP 5@2'		9	GROUNDWATER			5/24/24	12:02PM	✓	✓	✓
31	SP 5@3'		1	WASTEWATER			5/24/24	12:46PM	✓	✓	✓
32	SP 6@SURFACE		1	SOIL			5/24/24	1:15PM	✓	✓	✓
33	SP 6@1'		1	OIL			5/24/24	1:38PM	✓	✓	✓
34	SP 6@2'		1	SLUDGE			5/24/24	2:08PM	✓	✓	✓
35	SP 6@3'		1	OTHER :			5/24/24	2:31PM	✓	✓	✓
36	SP 6@4'		1	ACID/BASE:			5/24/24	2:52PM	✓	✓	✓
37	SP 6@5'		1	ICE / COOL			5/24/24	3:14PM	✓	✓	✓
38				OTHER :							
39											
39											

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Relinquished By: *Simon Rendan* Date: 5-31-24  
 Received By: *Simon Rendan* Date: 5-31-24  
 Time: 8:00 AM  
 Relequished By: *Simon Rendan* Date: 5-31-24  
 Received By: *Simon Rendan* Date: 5-31-24  
 Time: 8:13  
 Delivered By: (Circle One) *Approved*  
 Sample Condition:  Intact  Broken  
 Cooler:  Yes  No  
 Sample Pres:  Yes  No  
 Checked By: *SR* (Initials)

REMARKS: \* Customer requested Date Change to 6/26/24

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

5069

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) Project Location: New Mexico Sampler Name: SIMON RENDAN		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Relinquished By: _____ Date: 5-31-24 Time: 8:00 AM		Received By: _____ Date: 5-31-24 Time: 8:13	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #140		Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
CHECKED BY: (Initials) AP		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____	
REMARKS: * Customer requested data changes w.o. 4/26/24			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	Chloride	BTEX	IPHEXT
N24B015	SP 7@SURFACE						5/28/24	9:20AM	✓	✓	✓
39	SP 7@1'						5/28/24	9:42AM	✓	✓	✓
41	SP 7@2'						5/28/24	9:58AM	✓	✓	✓
42	SP 7@3'						5/28/24	10:22AM	✓	✓	✓
43	SP 8@SURFACE						5/28/24	10:47AM	✓	✓	✓
44	SP 8@1'						5/28/24	11:12AM	✓	✓	✓
45	SP 8@2'						5/28/24	11:37AM	✓	✓	✓
46	SP 8@3'						5/28/24	12:03PM	✓	✓	✓
47	SP 9@SURFACE						5/28/24	12:48PM	✓	✓	✓
48	SP 9@1'						5/28/24	1:07PM	✓	✓	✓

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

649

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: CEDAR CANYON WTE (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) Project Location: New Mexico Sampler Name: SIMON RENDAN		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. Sample I.D. H248413 49 50 51 52 53 54 55 56 57 58		(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME 5/28/24 1:21PM 5/28/24 1:36PM 5/28/24 1:54PM 5/28/24 2:12PM 5/28/24 2:29PM 5/28/24 2:41PM 5/28/24 2:54PM 5/28/24 3:07PM 5/28/24 3:16PM 5/28/24 3:30PM	
Relinquished By: _____ Date: 5-31-24 Time: 8:10 AM Received By: _____ Date: 5-31-24 Time: 8:13		ANALYSIS REQUEST Chloride BIEX IPHEXT Add'l Phone #: _____ Add'l Fax #: _____ Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished By: _____ Date: 5-31-24 Time: 8:13 Received By: _____ Date: 5-31-24 Time: 8:13		REMARKS: * Customer requested Date Change to 6/26/24	
Delivered By: (Circle One) UPS - Bus - Other: _____ Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: _____ (Initials)		CHECKED BY: _____ (Initials)	

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

849

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/29/22, 2/25/23, 3/6/24) Project Location: New Mexico Sampler Name: SIMON RENDAN		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy		<b>BILL TO</b>	
FOR LAB USE ONLY Lab I.D. Sample I.D. H248413 UQ 70 71 72 73 74 75 76 77 78		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
SP 14@SURFACE SP 14@1' SP 14@2' SP 14@3' SP 15@SURFACE SP 15@1' SP 15@2' SP 15@3' SP 16@SURFACE SP 16@1'		PRESERV SAMPLING DATE TIME 5/29/24 12:53PM 5/29/24 1:12PM 5/29/24 1:27PM 5/29/24 1:40PM 5/29/24 1:53PM 5/29/24 2:05PM 5/29/24 2:18PM 5/29/24 2:34PM 5/29/24 2:47PM 5/29/24 3:01PM	
Relinquished By: _____ Date: 5-31-24 Time: 8:00 AM		Received By: _____ Date: 5-31-24 Time: 8:13	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: #140		Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
CHECKED BY: (Initials) AR		ANALYSIS REQUEST	
REMARKS: * Customer requested Data changes 4/26/24		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____	

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

999

Company Name: <b>BBC International, Inc.</b> Project Manager: <b>Cliff Brunson</b> Address: <b>P.O. Box 805</b> City: <b>Hobbs</b> State: <b>NM</b> Zip: <b>88241</b> Phone #: <b>575-397-6388</b> Fax #: <b>575-397-0397</b> Project #: _____ Project Owner: <b>Oxy</b> Project Name: <b>CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)</b> Project Location: <b>New Mexico</b> Sampler Name: <b>SIMON RENDAN</b>				<b>BILL TO</b> P.O. #: _____ Company: <b>Oxy</b> Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____			
FOR LAB USE ONLY Lab I.D. <b>SP 16@2'</b> Sample I.D. _____ <b>SP 16@3'</b> _____ Date: <b>5-31-24</b> Time: <b>8:00 AM</b> Date: <b>5-31-24</b> Time: <b>9:13</b>				(G)RAB OR (C)OMP. # CONTAINERS _____ MATRIX: GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____ DATE: <b>5/29/24</b> TIME: <b>3:12PM</b> DATE: <b>5/29/24</b> TIME: <b>3:25PM</b>			
Relinquished By: _____ Date: <b>5-31-24</b> Time: <b>8:00 AM</b> Received By: _____ Date: <b>5-31-24</b> Time: <b>9:13</b>				CHECKED BY: _____ (Initials) Sample Condition: <b>COOL</b> Intact _____ Cool _____ Yes _____ No _____ Intact _____ Yes _____ No _____			
Delivered By: (Circle One) _____ Sampler - UPS - Bus - Other: <b>UPS</b>				REMARKS: <b>* Customer requested Data Change's. 4/6/24/24</b>			

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: 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.

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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
--	--	------------------------------

**SP 33@SURFACE  
H243259-01 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>976</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

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	JH	08-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.0 %	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			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	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. 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
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**SP 33@1'**  
**H243259-02 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>480</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.7 %		71.5-134	4060734	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			99.4 %		48.2-134	4060715	ms	07-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			110 %		49.1-148	4060715	ms	07-Jun-24	8015B	
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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 14:29
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**SP 33@2'  
H243259-03 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.5 %	71.5-134		4060734	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		4060715	ms	07-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			117 %	49.1-148		4060715	ms	07-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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
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**SP 33@3'**  
**H243259-04 (Soil)**

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

**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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	JH	08-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.1 %	71.5-134		4060734	JH	08-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			119 %	49.1-148		4060715	ms	07-Jun-24	8015B	
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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 14:29
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**SP 34@SURFACE**

**H243259-05 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>4880</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.9 %		71.5-134	4060734	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			109 %		48.2-134	4060715	ms	07-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			120 %		49.1-148	4060715	ms	07-Jun-24	8015B	
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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 14:29
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**SP 34@1'**  
**H243259-06 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>864</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>62.8</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			80.4 %	48.2-134		4060715	ms	07-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.6 %	49.1-148		4060715	ms	07-Jun-24	8015B	
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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 14:29
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**SP 34@2'  
H243259-07 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1330</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			112 %	48.2-134		4060715	ms	07-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			126 %	49.1-148		4060715	ms	07-Jun-24	8015B	
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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 14:29
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**SP 34@3'  
H243259-08 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>400</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		4060715	ms	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			116 %	49.1-148		4060715	ms	08-Jun-24	8015B	
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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 14:29
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**SP 34@4'  
H243259-09 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>400</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			113 %	48.2-134		4060715	ms	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			126 %	49.1-148		4060715	ms	08-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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
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**SP 1@6'  
H243259-10 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>944</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			115 %	48.2-134		4060715	ms	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			129 %	49.1-148		4060715	ms	08-Jun-24	8015B	
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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 14:29
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**SP 1@7'  
H243259-11 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			101 %	48.2-134		4060715	ms	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			113 %	49.1-148		4060715	ms	08-Jun-24	8015B	
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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 14:29
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**SP 1@8'  
H243259-12 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			117 %	48.2-134		4060715	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			124 %	49.1-148		4060715	MS	10-Jun-24	8015B	
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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 14:29
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**SP 2@6'  
H243259-13 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>832</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		4060715	ms	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			115 %	49.1-148		4060715	ms	08-Jun-24	8015B	
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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 14:29
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**SP 2@7'  
H243259-14 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			94.5 %	48.2-134		4060719	MS	07-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.4 %	49.1-148		4060719	MS	07-Jun-24	8015B	
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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 14:29
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**SP 2@8'  
H243259-15 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			112 %	48.2-134		4060719	MS	07-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			110 %	49.1-148		4060719	MS	07-Jun-24	8015B	
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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 14:29
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**SP 3@6'  
H243259-16 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %		71.5-134	4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			112 %		48.2-134	4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			106 %		49.1-148	4060719	MS	08-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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
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**SP 3@7'  
H243259-17 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			109 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			106 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 14:29
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**SP 3@8'  
H243259-18 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			120 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			118 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 14:29
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**SP 4@6'  
H243259-19 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>896</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			127 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			126 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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
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**SP 4@7'  
H243259-20 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			117 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			118 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 14:29
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**SP 4@8'  
H243259-21 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			89.5 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.9 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 14:29
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4061038 - 1:4 DI Water</b>										
<b>Blank (4061038-BLK1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4061038-BS1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (4061038-BSD1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
<b>Batch 4061101 - 1:4 DI Water</b>										
<b>Blank (4061101-BLK1)</b> Prepared & Analyzed: 11-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4061101-BS1)</b> Prepared & Analyzed: 11-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (4061101-BSD1)</b> Prepared & Analyzed: 11-Jun-24										
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	

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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 14:29
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060734 - Volatiles**

**Blank (4060734-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							
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: 07-Jun-24 Analyzed: 08-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: 07-Jun-24 Analyzed: 08-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							

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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 14:29

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060735 - Volatiles****Blank (4060735-BLK1)**

Prepared: 07-Jun-24 Analyzed: 08-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: 07-Jun-24 Analyzed: 08-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: 07-Jun-24 Analyzed: 08-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			

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. 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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060715 - General Prep - Organics**

<b>Blank (4060715-BLK1)</b>		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			

<b>LCS (4060715-BS1)</b>		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			

<b>LCS Dup (4060715-BSD1)</b>		Prepared & 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			

**Batch 4060719 - General Prep - Organics**

<b>Blank (4060719-BLK1)</b>		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	55.8		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			

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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 14:29
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

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

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

10/23

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) Project Location: New Mexico Sampler Name: SIMON RENDAN		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: 10/423 Fax #: 11/21/24															
Bill To: _____ Analysis Request: _____		Matrix: _____ Preservation: _____ Sampling: _____															
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 extended	Chloride
H243259	SP 33@Surface	G	1										6/5/24	10:50AM	✓	✓	✓
	SP 33@1'												6/5/24	11:12AM	✓	✓	✓
	SP 33@2'												6/5/24	11:25AM	✓	✓	✓
	SP 33@3'												6/5/24	11:40AM	✓	✓	✓
	SP 34@Surface												6/5/24	11:52AM	✓	✓	✓
	SP 34@1'												6/5/24	12:06PM	✓	✓	✓
	SP 34@2'												6/5/24	12:47PM	✓	✓	✓
	SP 34@3'												6/5/24	1:03PM	✓	✓	✓
	SP 34@4'												6/5/24	1:14PM	✓	✓	✓
	SP 1@6'												6/5/24	1:30PM	✓	✓	✓

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Requisitioned By: \_\_\_\_\_ Date: 6-6-24 Received By: \_\_\_\_\_ Date: 6-6-24  
 Requisitioned By: \_\_\_\_\_ Time: 8:00 AM Received By: \_\_\_\_\_ Time: 8:00 AM  
 Requisitioned By: \_\_\_\_\_ Date: 6-6-24 Received By: \_\_\_\_\_ Date: 6-6-24  
 Requisitioned By: \_\_\_\_\_ Time: 10:51 AM Received By: \_\_\_\_\_ Time: 10:51 AM  
 Delivered By: (Circle One) UPS - Bus - Other: \_\_\_\_\_  
 Sample Condition: Cool  Intact   
 Sample Condition:  Yes  No  Yes  No  
 CHECKED BY: (Initials) \_\_\_\_\_  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \*project name correction, per customer. Spedidiquery 6/26/24

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



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

*2 of 3*

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.		P.O. #:	
Project Manager: Cliff Brunson		Company: Oxy	
Address: P.O. Box 805		Attn:	
City: Hobbs		Address:	
Phone #: 575-397-6388		City:	
Fax #: 575-397-0397		State:	
Project #: Project Owner: Oxy		Zip:	
Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)		Phone #:	
Project Location: New Mexico		Fax #:	
Sampler Name: SIMON RENDAN		Matrix:	
FOR LAB USE ONLY		PRESERV:	
Lab I.D.		SAMPLEING	

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 extended	Chloride
11243259	SP 1@7'	G	1			✓					✓		6/5/24	1:42PM	✓	✓	✓
12	SP 1@8'												6/5/24	1:56PM	✓	✓	✓
13	SP 2@6'												6/5/24	2:05PM	✓	✓	✓
14	SP 2@7'												6/5/24	2:14PM	✓	✓	✓
15	SP 2@8'												6/5/24	2:29PM	✓	✓	✓
16	SP 3@6'												6/5/24	2:37PM	✓	✓	✓
17	SP 3@7'												6/5/24	2:45PM	✓	✓	✓
18	SP 3@8'												6/5/24	2:53PM	✓	✓	✓
	SP 4@6'												6/5/24	3:05PM	✓	✓	✓
	SP 4@7'												6/5/24	3:14PM	✓	✓	✓

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Relinquished By: <i>Simon Rendán</i>	Date: <i>6/24</i>	Received By: <i>Jefferson</i>	Date: <i>6/24</i>
Time: <i>8:00pm</i>	Time: <i>10:51</i>	Time: <i>14:0</i>	Time: <i>14:0</i>

Delivered By: (Circle One)  UPS  Bus  Other: *14:0*

Sampler - UPS - Bus - Other: *14:0*

Sample Condition: Cool  Intact  Yes  No  No

CHECKED BY: *RD*

REMARKS: *\*project name correction. per customer. Spec'd required 10-24-24*

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_





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

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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

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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 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

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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 15:38
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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

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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 15:38
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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.

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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 15:38
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**SP 16 @ 4'  
H243260-01 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	4060735	JH	08-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			97.5 %		49.1-148	4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 16 @ 5'**  
**H243260-02 (Soil)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 17 @ SURFACE**

**H243260-03 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>30000</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 17 @ 1'  
H243260-04 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>4400</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	JH	08-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	71.5-134		4060735	JH	08-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			113 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			114 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 17 @ 2'**  
**H243260-05 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>3520</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			110 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			111 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 17 @ 3'**  
**H243260-06 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>464</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			85.6 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.9 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 17 @ 4'**  
**H243260-07 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			120 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.9 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 18 @ SURFACE**

**H243260-08 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>15000</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 18 @ 1'  
H243260-09 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>608</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			113 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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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 15:38
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**SP 18 @ 2'**  
**H243260-10 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>368</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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**Analytical Results For:**

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**SP 18 @ 3'**  
**H243260-11 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>400</b>		16.0	mg/kg	4	4061038	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			98.4 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.9 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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**Analytical Results For:**

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**SP 18 @ 4'**  
**H243260-12 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			103 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	49.1-148		4060719	MS	08-Jun-24	8015B	
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**SP 19 @ SURFACE**

**H243260-13 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>9900</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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 (PID)			114 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>43.4</b>		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	QM-07
<b>EXT DRO &gt;C28-C36</b>	<b>18.0</b>		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			106 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			110 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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**SP 19 @ 1'  
H243260-14 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>896</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			128 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			132 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 19 @ 2'**  
**H243260-15 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>528</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			129 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			139 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 19 @ 3'**  
**H243260-16 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>416</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			134 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			139 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 19 @ 4'  
H243260-17 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			108 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			117 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 20 @ SURFACE  
H243260-18 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>3920</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			122 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			123 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 20 @ 1'  
H243260-19 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1380</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			119 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			122 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 20 @ 2'**  
**H243260-20 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>928</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			127 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			135 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 20 @ 3'**  
**H243260-21 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>320</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			118 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			128 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 20 @ 4'**  
**H243260-22 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 21 @ SURFACE**

**H243260-23 (Soil)**

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

**Inorganic Compounds**

Chloride	8400		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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 (PID)			106 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			110 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 21 @ 1'  
H243260-24 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1380</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		4060736	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			122 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			125 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 21 @ 2'**  
**H243260-25 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1280</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			125 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			130 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 21 @ 3'**  
**H243260-26 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>624</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			86.6 %	48.2-134		4060720	MS	11-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.1 %	49.1-148		4060720	MS	11-Jun-24	8015B	
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**Analytical Results For:**

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**SP 21 @ 4'**  
**H243260-27 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>672</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			127 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			133 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 22 @ SURFACE  
H243260-28 (Soil)**

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

**Inorganic Compounds**

Chloride	320		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			119 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 22 @ 1'  
H243260-29 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>3040</b>		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			107 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			110 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 22 @ 2'**  
**H243260-30 (Soil)**

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

**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	4061022	HM	10-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 22 @ 3'**  
**H243260-31 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	4061024	HM	11-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			134 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			142 %	49.1-148		4060720	MS	10-Jun-24	8015B	
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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 15:38
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**SP 22 @ 4'  
H243260-32 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			123 %	48.2-134		4061001	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			127 %	49.1-148		4061001	MS	10-Jun-24	8015B	
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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 15:38
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**SP 22 @ 5'**  
**H243260-33 (Soil)**

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

**Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			126 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 23 @ SURFACE**

**H243260-34 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1320</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>46.2</b>		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>14.2</b>		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			102 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			130 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 23 @ 1'  
H243260-35 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			99.5 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			122 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 23 @ 2'**  
**H243260-36 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>112</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			99.8 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			129 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 23 @ 3'**  
**H243260-37 (Soil)**

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

**Inorganic Compounds**

Chloride	160		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			131 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 24 @ SURFACE**

**H243260-38 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>37600</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>84.5</b>		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>31.3</b>		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	
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Surrogate: 1-Chlorooctadecane			114 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 24 @ 1'  
H243260-39 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6000</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			130 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 24 @ 2'**  
**H243260-40 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1300</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			91.2 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			113 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 24 @ 3'**  
**H243260-41 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>336</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			103 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			130 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 24 @ 4'**  
**H243260-42 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			96.8 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			120 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 25 @ SURFACE**

**H243260-43 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>5360</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			74.0 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.7 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 25 @ 1'  
H243260-44 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>2400</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-CI-B	
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**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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4060737	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			97.3 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			120 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 25 @ 2'**  
**H243260-45 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1400</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-CI-B	
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**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	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	JH	10-Jun-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			99.9 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			124 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 25 @ 3'**  
**H243260-46 (Soil)**

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

**Inorganic Compounds**

Chloride	480		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-CI-B	
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**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	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	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			129 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 25 @ 4'  
H243260-48 (Soil)**

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

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-CI-B	
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**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 (PID)			99.9 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			138 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 25 @ 5'**  
**H243260-49 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			127 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 26 @ SURFACE  
H243260-50 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6400</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-Cl-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

**S-06**

GRO C6-C10*	<50.0		50.0	mg/kg	5	4060721	MS	11-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>16100</b>		50.0	mg/kg	5	4060721	MS	11-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>5680</b>		50.0	mg/kg	5	4060721	MS	11-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			124 %	48.2-134		4060721	MS	11-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			409 %	49.1-148		4060721	MS	11-Jun-24	8015B	
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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 15:38
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**SP 26 @ 1'  
H243260-51 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>4080</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.9 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

**S-04**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>2240</b>		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>778</b>		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			107 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			164 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 26 @ 2'**  
**H243260-52 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6500</b>		16.0	mg/kg	4	4061039	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.3 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			141 %	49.1-148		4060721	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 26 @ 3'**  
**H243260-53 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Inorganic Compounds**

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.8 %		71.5-134	4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			90.1 %		48.2-134	4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			117 %		49.1-148	4060721	MS	10-Jun-24	8015B	
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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 15:38
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**SP 26 @ 4'  
H243260-54 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.9 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			94.1 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.1 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 26 @ 5'**  
**H243260-55 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.5 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>27.7</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			115 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 27 @ SURFACE  
H243260-56 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>20600</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.3 %		71.5-134	4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>5690</b>		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>1350</b>		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %		48.2-134	4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			148 %		49.1-148	4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 27 @ 1'  
H243260-57 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>7800</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.8 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>24.7</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			129 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			126 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 27 @ 2'**  
**H243260-58 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>6200</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.8 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			86.6 %	48.2-134		4060722	MS	11-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.2 %	49.1-148		4060722	MS	11-Jun-24	8015B	
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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 15:38
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**SP 27 @ 3'**  
**H243260-59 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>848</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			98.4 %		71.5-134	4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			131 %		48.2-134	4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			123 %		49.1-148	4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 27 @ 4'  
H243260-60 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.6 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>13.2</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			91.9 %	48.2-134		4060722	MS	11-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.2 %	49.1-148		4060722	MS	11-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 27 @ 5'**  
**H243260-61 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.6 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>23.6</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			125 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			111 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 28 @ SURFACE  
H243260-62 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>16800</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	GC-NC
<b>Total Xylenes*</b>	<b>0.371</b>		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1
<b>Total BTEX</b>	<b>0.371</b>		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			130 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

**S-06**

<b>GRO C6-C10*</b>	<b>136</b>		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>37300</b>		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>8210</b>		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			149 %	48.2-134		4060722	MS	11-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			940 %	49.1-148		4060722	MS	11-Jun-24	8015B	
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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 15:38
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**SP 28 @ 1'**  
**H243260-63 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>2080</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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
<b>Total Xylenes*</b>	<b>0.231</b>		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1
Total BTEX	<0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			145 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

<b>GRO C6-C10*</b>	<b>67.5</b>		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>4050</b>		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>852</b>		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	
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Surrogate: 1-Chlorooctadecane			111 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 28 @ 2'**  
**H243260-64 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1380</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.2 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			94.6 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.2 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 28 @ 3'**  
**H243260-65 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>464</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.2 %	71.5-134		4060738	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			101 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.5 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 28 @ 4'**  
**H243260-66 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			90.2 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			93.4 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.4 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 28 @ 5'**  
**H243260-67 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			91.3 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>14.8</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			65.3 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			54.1 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 29 @ SURFACE**

**H243260-68 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>8560</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	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 (PID)			88.4 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

**S-06**

GRO C6-C10*	<100		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>28100</b>		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>8650</b>		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	

Surrogate: 1-Chlorooctane			164 %	48.2-134		4060722	MS	11-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			841 %	49.1-148		4060722	MS	11-Jun-24	8015B	
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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 15:38
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**SP 29 @ 1'  
H243260-69 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>3600</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			88.4 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			118 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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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 15:38
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**SP 29 @ 2'**  
**H243260-70 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1310</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			85.8 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			100 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.5 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 29 @ 3'**  
**H243260-71 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			89.5 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			91.0 %	48.2-134		4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.8 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 29 @ 4'**  
**H243260-72 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			90.9 %		71.5-134	4061003	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>42.8</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			112 %		48.2-134	4060722	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %		49.1-148	4060722	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 30 @ SURFACE**

**H243260-73 (Soil)**

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

**Inorganic Compounds**

Chloride	7500		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	QM-07
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**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	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 (PID)			88.7 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			97.5 %	49.1-148		4060722	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 30 @ 1'  
H243260-74 (Soil)**

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

**Inorganic Compounds**

Chloride	2200		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-CI-B	
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**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	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 (PID)			88.4 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	
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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 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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**SP 30 @ 2'**  
**H243260-75 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1700</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			88.9 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			82.8 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.2 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**SP 30 @ 3'**  
**H243260-76 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Inorganic Compounds**

<b>Chloride</b>	<b>624</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			88.9 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			78.6 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			72.4 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 30 @ 4'**  
**H243260-77 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>320</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			89.3 %		71.5-134	4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			73.3 %		48.2-134	4060723	MS	11-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			64.3 %		49.1-148	4060723	MS	11-Jun-24	8015B	
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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 15:38
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**SP 30 @ 5'**  
**H243260-78 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>400</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-CI-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			90.0 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			76.6 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			69.1 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 31 @ SURFACE  
H243260-79 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>23600</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-CI-B	
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**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	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 (PID)			85.6 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>807</b>		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>373</b>		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	
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Surrogate: 1-Chlorooctadecane			93.2 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 31 @ 1'  
H243260-80 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>1040</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			88.1 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>39.1</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			81.7 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.4 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 31 @ 2'**  
**H243260-81 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>960</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			88.6 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			90.3 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.1 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 31 @ 3'**  
**H243260-82 (Soil)**

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

**Inorganic Compounds**

Chloride	480		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-CI-B	
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**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	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 (PID)			88.4 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			73.7 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 31 @ 4'**  
**H243260-83 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			88.5 %	71.5-134		4061003	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			63.5 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			57.1 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 31 @ 5'**  
**H243260-84 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4061004	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			66.0 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			59.9 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 32 @ SURFACE**

**H243260-85 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>21600</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4061004	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>109</b>		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>98.8</b>		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.0 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			74.3 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 32 @ 1'  
H243260-86 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>2280</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4061004	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>53.3</b>		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>12.8</b>		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.4 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.1 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 32 @ 2'**  
**H243260-87 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>4800</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		4061004	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			81.2 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.8 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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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 15:38
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**SP 32 @ 3'**  
**H243260-88 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>480</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4061004	JH	10-Jun-24	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<b>DRO &gt;C10-C28*</b>	<b>18.1</b>		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	

<i>Surrogate: 1-Chlorooctane</i>			86.6 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.5 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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**Analytical Results For:**

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**SP 32 @ 4'**  
**H243260-89 (Soil)**

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

**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 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 (PID)			108 %	71.5-134		4061004	JH	10-Jun-24	8021B	
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**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	
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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	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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**SP 32 @ 5'**  
**H243260-90 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	4061041	AC	10-Jun-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		4061004	JH	10-Jun-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			64.0 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			58.0 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4061022 - 1:4 DI Water**

<b>Blank (4061022-BLK1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4061022-BS1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	448	16.0	mg/kg	400		112	80-120			
<b>LCS Dup (4061022-BSD1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	

**Batch 4061024 - 1:4 DI Water**

<b>Blank (4061024-BLK1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4061024-BS1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (4061024-BSD1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	

**Batch 4061038 - 1:4 DI Water**

<b>Blank (4061038-BLK1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	ND	16.0	mg/kg							
<b>LCS (4061038-BS1)</b>										
Prepared & Analyzed: 10-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			

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**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4061038 - 1:4 DI Water**

<b>LCS Dup (4061038-BSD1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

**Batch 4061039 - 1:4 DI Water**

<b>Blank (4061039-BLK1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	ND	16.0	mg/kg							

<b>LCS (4061039-BS1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			

<b>LCS Dup (4061039-BSD1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	

**Batch 4061040 - 1:4 DI Water**

<b>Blank (4061040-BLK1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	ND	16.0	mg/kg							

<b>LCS (4061040-BS1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	416	16.0	mg/kg	400		104	80-120			

<b>LCS Dup (4061040-BSD1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

**Batch 4061041 - 1:4 DI Water**

<b>Blank (4061041-BLK1)</b> Prepared & Analyzed: 10-Jun-24										
Chloride	ND	16.0	mg/kg							

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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 15:38
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4061041 - 1:4 DI Water**

**LCS (4061041-BS1)**

Prepared & Analyzed: 10-Jun-24

Chloride	432	16.0	mg/kg	400		108	80-120			
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**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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**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
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 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							
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: 07-Jun-24 Analyzed: 08-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: 07-Jun-24 Analyzed: 08-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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**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

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060736 - Volatiles****Blank (4060736-BLK1)**

Prepared: 07-Jun-24 Analyzed: 10-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: 07-Jun-24 Analyzed: 10-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: 07-Jun-24 Analyzed: 10-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: 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							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			

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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 15:38

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060737 - Volatiles****LCS (4060737-BS1)**

Prepared: 07-Jun-24 Analyzed: 10-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			
o-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: 07-Jun-24 Analyzed: 10-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: 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							
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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**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
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060738 - Volatiles**

LCS (4060738-BS1)		Prepared: 07-Jun-24 Analyzed: 10-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-3
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-BS1)		Prepared: 07-Jun-24 Analyzed: 10-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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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: 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**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**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			
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**LCS Dup (4061003-BS1)**

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-3
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-3

Surrogate: 4-Bromofluorobenzene (PID)	0.0452		mg/kg	0.0500		90.5	71.5-134			
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**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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**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
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**Volatile Organic Compounds by EPA Method 8021 - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 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			
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**LCS Dup (4061004-BS1)**

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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**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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060719 - General Prep - Organics**

<b>Blank (4060719-BLK1)</b>		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	55.8		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			

<b>LCS (4060719-BS1)</b>		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			

<b>LCS Dup (4060719-BSD1)</b>		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**

<b>Blank (4060720-BLK1)</b>		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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**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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4060720 - General Prep - Organics**

<b>LCS (4060720-BS1)</b>		Prepared: 07-Jun-24 Analyzed: 10-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				

<b>LCS Dup (4060720-BSD1)</b>		Prepared: 07-Jun-24 Analyzed: 10-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**

<b>Blank (4060721-BLK1)</b>		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	55.0		mg/kg	50.0	110	48.2-134				
Surrogate: 1-Chlorooctadecane	68.6		mg/kg	50.0	137	49.1-148				

<b>LCS (4060721-BS1)</b>		Prepared: 07-Jun-24 Analyzed: 10-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				
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0	116	48.2-134				
Surrogate: 1-Chlorooctadecane	72.9		mg/kg	50.0	146	49.1-148				

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*Celey D. Keene*

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 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
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**Batch 4060721 - General Prep - Organics**

LCS Dup (4060721-BSD1)		Prepared: 07-Jun-24 Analyzed: 10-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 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	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 Analyzed: 10-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 Analyzed: 10-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-05
Surrogate: 1-Chlorooctadecane	71.2		mg/kg	50.0		142	49.1-148			

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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 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
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**Batch 4060723 - General Prep - Organics**

<b>Blank (4060723-BLK1)</b>		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	53.8		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.8	49.1-148			

<b>LCS (4060723-BS1)</b>		Prepared: 07-Jun-24 Analyzed: 10-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			

<b>LCS Dup (4060723-BSD1)</b>		Prepared: 07-Jun-24 Analyzed: 10-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**

<b>Blank (4061001-BLK1)</b>		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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**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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

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

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Celey D. Keene, Lab Director/Quality Manager



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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 SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celest D. Keene

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10/6/10

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Brunson Company: Oxy  
 Address: P.O. Box 805 Attn: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397 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) State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: New Mexico Phone #: 1014/3331034  
 Sampler Name: SIMON RENDAN Fax #: \*575-393-2476

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	BIEX	JPHEXT
112/3200	SP 16@4'		1	GROUNDWATER			5/30/24	9:15AM	✓	✓	✓
	SP 16@5'		1	SOIL			5/30/24	9:27AM	✓	✓	✓

Relinquished By: *James Papp* Date: 6-6-24 Received By: *Israel Ferra* Date: 6-6-24  
 Relinquished By: *Israel Ferra* Date: 6-6-24 Received By: *Israel Ferra* Date: 6-6-24  
 Delivered By: (Circle One)  UPS  Bus  Other: *140°C*  
 Sampler - UPS - Bus - Other: *140*

CHECKED BY: *IS* (Initials)

REMARKS: \* Project name correction. Per customer. Stockpiled 10-21-24

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

208 10

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>Phone #:</b> 575-397-6388 <b>Project #:</b> <b>Project Name:</b> CEDAR CANYON WTE (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) <b>Project Location:</b> New Mexico <b>Sampler Name:</b> SIMON RENDAN		<b>P.O. #:</b> <b>Company:</b> Oxy <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b>	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.:</b> Sample I.D. H243200 SP 17@SURFACE SP 17 @ 1' SP 17 @ 2' SP 17 @ 3' SP 17 @ 4' SP 18@SURFACE SP 18 @ 1' SP 18 @ 2' SP 18 @ 3' SP 18 @ 4'		<b>MATRIX</b> (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
<b>DATE</b> 5/30/24 5/30/24 5/30/24 5/30/24 5/30/24 5/30/24 5/30/24 5/30/24 5/30/24 5/30/24		<b>TIME</b> 9:47AM 10:10AM 10:24AM 10:38AM 10:53AM 11:12AM 11:26AM 11:42AM 11:56AM 12:12PM	
<b>REMARKS:</b> * project name collection, per customer. Stocking 6-20-24		<b>ANALYSIS REQUEST</b> Chloride BTEX TPHEXT	



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

30610

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

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

Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241

Phone #: 575-397-6388 Fax #: 575-397-0397 Attn: Project Owner: Oxy

Project #: Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) State: Zip: City: Address: 104123 Phone #: 575-397-0397 Fax #: 575-397-0397

Project Location: New Mexico Sampler Name: SIMON RENDAN

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H243200	SP 19@SURFACE								5/30/24	12:51PM	✓	✓	✓	
13	SP 19@ 1'								5/30/24	1:07PM	✓	✓	✓	
14	SP 19@ 2'								5/30/24	1:19PM	✓	✓	✓	
15	SP 19@ 3'								5/30/24	1:32PM	✓	✓	✓	
16	SP 19@ 4'								5/30/24	1:44PM	✓	✓	✓	
17	SP 20@SURFACE								5/30/24	1:55PM	✓	✓	✓	
18	SP 20@ 1'								5/30/24	2:10PM	✓	✓	✓	
19	SP 20@ 2'								5/30/24	2:19PM	✓	✓	✓	
20	SP 20@ 3'								5/30/24	2:31PM	✓	✓	✓	
21	SP 20@ 4'								5/30/24	2:40PM	✓	✓	✓	

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Relinquished By: *[Signature]* Date: 6-6-24 Received By: *[Signature]* Date: 6-6-24

Relinquished By: *[Signature]* Date: 6-6-24 Received By: *[Signature]* Date: 6-6-24

Delivered By: (Circle One)  UPS  Bus  Other: *14D*

Sample Condition:  Intact  Cool  Pres  Yes  No

CHECKED BY: *[Signature]* (Initials) *pp*

REMARKS: *\*project name correction. per customer. Spadeigney 6-20-24*

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

4 of 10

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDAN  
 P.O. #: Company: Oxy  
 Attn: Address: City: State: Zip:  
 Phone #: 104133  
 Fax #: \*848-2424

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	IPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H243200	SP 21@SURFACE		1						5/30/24	2:52PM	✓	✓	✓	
23	SP 21@ 1'		1						5/30/24	3:03PM	✓	✓	✓	
25	SP 21@ 2'		1						5/30/24	3:14PM	✓	✓	✓	
26	SP 21@ 3'		1						5/30/24	3:22PM	✓	✓	✓	
27	SP 21@ 4'		1						5/30/24	3:35PM	✓	✓	✓	
28	SP 22@SURFACE		1						5/31/24	9:25AM	✓	✓	✓	
29	SP 22@ 1'		1						5/31/24	9:43AM	✓	✓	✓	
30	SP 22@ 2'		1						5/31/24	10:07AM	✓	✓	✓	
31	SP 22@ 3'		1						5/31/24	10:23AM	✓	✓	✓	
32	SP 22@ 4'		1						5/31/24	10:39AM	✓	✓	✓	

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Relinquished By: *Simon Rendana* Date: 5-6-24 Received By: *Cliff Brunson* Date: 5-6-24  
 Relinquished By: *Simon Rendana* Time: 8:00 AM Received By: *Cliff Brunson* Time: 10:51 AM  
 Delivered By: (Circle One) UPS - Bus - Other: *UPS* Sample Condition: *Approved* Checked By: *RPB*  
 Cooler Intact:  Yes  No  
 Sample Condition:  Yes  No  
 Remarks: *Projected name correction per customer. See signature of 6/24/24*

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

*508 10*

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) Project Location: New Mexico Sampler Name: SIMON RENDAN		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Relinquished By: <i>[Signature]</i> Date: <i>6-24</i> Time: <i>8:00 AM</i>		Received By: <i>[Signature]</i> Date: <i>6-24</i> Time: <i>10:51</i>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>UPS</i>		Sample Condition Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <i>[Signature]</i>	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS REQUEST
<i>11243200</i>	SP 22@5'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	10:52AM	Chloride
<i>33</i>	SP 23@SURFACE	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	11:14AM	BTEX
<i>35</i>	SP 23@1'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	11:32AM	TPHEXT
<i>36</i>	SP 23@2'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	11:51AM	
<i>37</i>	SP 23@3'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	12:08PM	
<i>38</i>	SP 24@SURFACE	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	12:45PM	
<i>39</i>	SP 24@1'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	1:06PM	
<i>40</i>	SP 24@2'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	1:19PM	
<i>41</i>	SP 24@3'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	1:36PM	
<i>42</i>	SP 24@4'	<input checked="" type="checkbox"/>	<i>1</i>	SOIL	<input checked="" type="checkbox"/>		5/31/24	1:52PM	

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Relinquished By: *[Signature]* Date: *6-24* Time: *8:00 AM*  
 Received By: *[Signature]* Date: *6-24* Time: *10:51*

Sample Condition:  Cool Intact Yes  No  
 Checked By: *[Signature]*

REMARKS: *Specified name collection, per customer. Stock inventory 10-210-24*

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

*6/21/0*

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: CEDAR CANYON WTE (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDAN  
 P.O. #: Company: Oxy  
 Attn: Address:  
 City: State: Zip:  
 Phone #: 10438  
 Fax #: 431024

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	Chloride	BTEX	IPHEX
H2432402	SP 25@SURFACE			GROUNDWATER			5/31/24	2:12PM	✓	✓	✓
43	SP 25@1'			WASTEWATER			5/31/24	2:26PM	✓	✓	✓
44	SP 25@2'			SOIL			5/31/24	2:41PM	✓	✓	✓
45	SP 25@3'			OIL			5/31/24	3:02PM	✓	✓	✓
47	SP 25@3'			SLUDGE			5/31/24	3:14PM	✓	✓	✓
48	SP 25@4'			OTHER :			5/31/24	3:29PM	✓	✓	✓
49	SP 25@5'			ACID/BASE:			5/31/24	9:30AM	✓	✓	✓
50	SP 26@SURFACE			ICE / COOL			6/3/24	9:46AM	✓	✓	✓
51	SP 26@1'			OTHER :			6/3/24	10:02AM	✓	✓	✓
52	SP 26@2'						6/3/24	10:23AM	✓	✓	✓

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Relinquished By: *[Signature]* Date: *6-6-24* Received By: *[Signature]* Date: *6-6-24*  
 Relinquished By: *[Signature]* Date: *6-6-24* Received By: *[Signature]* Date: *6-6-24*  
 Delivered By: (Circle One) *UPS* Sample Condition *APPROX* Checked By: *[Signature]*  
 Sampler - UPS - Bus - Other: *UPS* Cool Intact *Yes* Yes *No* No

\*project name correction, per customer. Specimens of use 24

\*NO sample #47. dup marked on c.c.c. -customer notified. Specimens of use 24

\*NO sample #49. NO sample # 8267.24

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

*Handwritten signature/initials*

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

Project Manager: Cliff Brunson Company: Oxy

Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241

Phone #: 575-397-6388 Fax #: 575-397-0397 Attn: Address:

Project #: Project Owner: Oxy City: State: Zip:

Project Name: CEDAR CANYON WTF (715/22.7122/22.8125/22.2125/23.316/24) Phone #: 104-33

Project Location: New Mexico Fax #: 582-488-24

Sampler Name: SIMON RENDAN

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS
112432106	SP 26@3'		01	GROUNDWATER			6/3/24	10:23AM	Chloride
53	SP 26@4'			WASTEWATER			6/3/24	10:40AM	BTEX
54	SP 26@5'			SOIL			6/3/24	10:54AM	TPH EXT
55	SP 27@SURFACE			OIL			6/3/24	11:10AM	
56	SP 27@1'			SLUDGE			6/3/24	11:25AM	
57	SP 27@2'			OTHER :			6/3/24	11:43 AM	
58	SP 27@3'			ACID/BASE:			6/3/24	12:04PM	
59	SP 27@4'			ICE / COOL			6/3/24	12:47PM	
60	SP 27@5'			OTHER :			6/3/24	1:05PM	
61	SP 28@SURFACE						6/3/24	1:19PM	

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Relinquished By: *[Signature]* Date: 6-6-24 Received By: *[Signature]* Date: 6-6-24

Delivered By: (Circle One) *[Signature]* Date: 6-6-24 Received By: *[Signature]* Date: 6-6-24

Sampler - UPS - Bus - Other: *[Signature]* Date: 6-6-24

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

Phone Result:  Yes  No Add'l Phone #:   
 Fax Result:  Yes  No Add'l Fax #:   
 REMARKS:   
 \*Project name correction, per customer. Speedily (6/20/24)



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

8410

**Company Name:** BBC International, Inc. **Project Manager:** Cliff Brunson **Address:** P.O. Box 805 **City:** Hobbs **State:** NM **Zip:** 88241 **Phone #:** 575-397-6388 **Fax #:** 575-397-0397 **Project #:** **Project Name:** CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) **Project Location:** New Mexico **Sampler Name:** SIMON RENDAN **FOR LAB USE ONLY**

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		DATE	TIME	ANALYSIS REQUEST											
				GROUNDWATER	WASTEWATER			SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Yes	No	Add'l Phone #:
H1213200	SP 28@1'	601	1			6/3/24	1:34PM	✓	✓	Chloride									
113	SP 28@2'					6/3/24	1:52PM	✓	✓	BIEX									
114	SP 28@3'					6/3/24	2:05PM	✓	✓	TPH EXT									
115	SP 28@4'					6/3/24	2:16PM	✓	✓										
116	SP 28@5'					6/3/24	2:29PM	✓	✓										
117	SP 29@SURFACE					6/3/24	2:46PM	✓	✓										
118	SP 29@1'					6/3/24	3:07PM	✓	✓										
119	SP 29@2'					6/4/24	9:20AM	✓	✓										
120	SP 29@3'					6/4/24	9:37AM	✓	✓										
121	SP 29@4'					6/4/24	9:52AM	✓	✓										

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**Relinquished By:** *[Signature]* **Date:** 6-6-24 **Received By:** *[Signature]* **Date:** 6-6-24

**Relinquished By:** *[Signature]* **Date:** 6-6-24 **Received By:** *[Signature]* **Date:** 6-6-24

**Delivered By:** (Circle One) **UPS** **Bus** **Other** **Time:** 10:51 **Sample Condition:**  Intact  Cool  Yes  No **Checked By:** *[Signature]* **Initials:** *[Signature]*

**REMARKS:** *Project name correction, per customer. Speedily 10-21-24*

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

9-2-10

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: CEDAR CANYON WTE (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) Project Location: New Mexico Sampler Name: SIMON RENDAN		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Relinquished By: _____ Date: 6-6-24 Time: 8:00 AM Date Received By: _____ Date: 6-6-24 Time: 11:51 AM		CHECKED BY: _____ (Initials) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Relinquished By: _____ Date: _____ Time: _____ Date Received By: _____ Date: _____ Time: _____		CHECKED BY: _____ (Initials) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		CHECKED BY: _____ (Initials)	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	ANALYSIS
11243200	SP 30@SURFACE						6/4/24	10:12AM	Chloride
713	SP 30@1'	Oil					6/4/24	10:26AM	BIEX
714	SP 30@2'						6/4/24	10:41AM	TPHEX
715	SP 30@3'						6/4/24	10:56AM	
716	SP 30@4'						6/4/24	11:12AM	
717	SP 30@5'						6/4/24	11:24AM	
718	SP 31@SURFACE						6/4/24	11:38AM	
719	SP 31@1'						6/4/24	11:55AM	
80	SP 31@2'						6/4/24	12:45PM	
81	SP 31@3'						6/4/24	1:10PM	

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

REMARKS:  
 \* project name correction  
 per customer. speedily  
 6-2-24

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

106-10

Company Name: BBC International, Inc.  
Project Manager: Cliff Brunson

P.O. #:

ANALYSIS REQUEST

Address: P.O. Box 805

Company: Oxy

City: Hobbs

State: NM zip: 88241

Attn:

Phone #: 575-397-6388

Fax #: 575-397-0397

Address:

Project #:

Project Owner: Oxy

City:

Project Name: CEDAR CANYON WTE (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

Phone #: 10-4-83  
FAX #: 582-634-84

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H243202	SP 31@4'		1						6/4/24	1:27PM	Chloride	
83	SP 31@5'		1						6/4/24	1:46PM	BTEX	
81	SP 32@SURFACE		1						6/4/24	2:08PM	TPHEX	
85	SP 32@1'		1						6/4/24	2:21PM		
84	SP 32@2'		1						6/4/24	2:40PM		
87	SP 32@3'		1						6/4/24	3:02PM		
88	SP 32@4'		1						6/4/24	3:17PM		
89	SP 32@5'		1						6/4/24	3:29PM		
90	SP 32@5'		1						6/4/24	3:29PM		

PLEASE NOTE: Liability and Damages: Cardinal's liability and user's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In the event that Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, the subcontractor, affiliate or successor arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon negligence or otherwise, shall be limited to the amount of the fee for the applicable service.

Relinquished By: *[Signature]* Date: 6-6-24 Received By: *[Signature]* Date: 6-6-24

Delivered By: (Circle One) *UPS* Time: 10:51 AM Received By: *[Signature]* Time: 10:51 AM

Sampler - UPS - Bus - Other: *UPS*

Sample Condition:  Intact  Cool  Yes  No

CHECKED BY: *[Signature]* (Initials) *[Signature]*

REMARKS: *Project name correction per customer. Spelling self*

Phone Result:  Yes  No Add'l Phone #: *10-210-84*

Fax Result:  Yes  No Add'l Fax #: *10-210-84*

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



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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	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		Analyzed 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 % 71.5-134

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		Analyzed 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 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-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		Analyzed 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 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed 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		Analyzed 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 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	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		Analyzed 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 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	07/03/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 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 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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: CEDAR CANYON WTF 7/15/22, 7/22/22, 8/25/22, 10/04/23, 3/6/24 Project Location: New Mexico Sampler Name: SIMON RENDAN		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. <b>HA13970</b> Sample I.D.		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
SP 5 @4' SP 15@3' SP 15@4' SP 21@5' 034		DATE 7/1/24 7/1/24 7/1/24 7/1/24 TIME 9:20am 9:48am 10:12am 10:40am	
Relinquished By: _____ Date: 7/2/24 Time: 1339		Received By: <b>Speckmann</b> Date: _____ Time: _____	
Delivered By: (Circle One) UPS - Bus - Other: 3-3:30 #140		Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Checked By: <b>SR</b> (Initials)	
Relinquished By: _____ Date: _____ Time: _____		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: <b>48 hour Rush</b>	

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



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

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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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.

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**BOUNDARY 1 @ 1'  
H244290-01 (Solid)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	4071903	AC	19-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds 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	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	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			83.6 %	49.1-148		4071809	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 2 @ 1'  
H244290-02 (Solid)**

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

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			117 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		4071809	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 3 @ 1'**

**H244290-03 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			103 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			120 %	49.1-148		4071809	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 4 @ 1'  
H244290-04 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds 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	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)			116 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			98.0 %	49.1-148		4071809	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 5 @ 1'**  
**H244290-05 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			122 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			113 %	49.1-148		4071809	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 6 @ 1'**

**H244290-06 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			120 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			127 %	49.1-148		4071809	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 7 @ 1'  
H244290-07 (Solid)**

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

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			128 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			79.9 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 8 @ 1'  
H244290-08 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			117 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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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



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**Analytical Results For:**

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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**BOUNDARY 9 @ 1'  
H244290-09 (Solid)**

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

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			127 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 10 @ 1'**

**H244290-10 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			120 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			74.3 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 11 @ 1'**

**H244290-11 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			127 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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 %	48.2-134		4071810	ms	18-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			90.5 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 12 @ 1'**

**H244290-12 (Solid)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds 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	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			89.3 %	48.2-134		4071810	ms	18-Jul-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.4 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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**BOUNDARY 13 @ 1'**

**H244290-13 (Solid)**

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

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			122 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			92.0 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 14 @ 1'**

**H244290-14 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			125 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			96.7 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 15 @ 1'**

**H244290-15 (Solid)**

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

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds 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	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)			125 %	71.5-134		4071808	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			99.9 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**BOUNDARY 16 @ 1'**

**H244290-16 (Solid)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.0 %	71.5-134		4071816	JH	18-Jul-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			100 %	48.2-134		4071810	ms	18-Jul-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 17 @ 1'**

**H244290-17 (Solid)**

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

**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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 (PID)			96.1 %	71.5-134		4071816	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 18 @ 1'**

**H244290-18 (Solid)**

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

**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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 (PID)			96.5 %	71.5-134		4071816	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			87.6 %	49.1-148		4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 19 @ 1'**

**H244290-19 (Solid)**

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

**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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 (PID)			96.2 %		71.5-134	4071816	JH	18-Jul-24	8021B	
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**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			109 %		48.2-134	4071810	ms	18-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			111 %		49.1-148	4071810	ms	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 20 @ 1'**

**H244290-20 (Solid)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.0 %		71.5-134	4071816	JH	18-Jul-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			75.3 %		48.2-134	4071734	MS	18-Jul-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			80.1 %		49.1-148	4071734	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 21 @ 1'**

**H244290-21 (Solid)**

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

**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	4071910	CT	19-Jul-24	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021**

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 (PID)			96.8 %	71.5-134		4071816	JH	18-Jul-24	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			129 %	49.1-148		4071734	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**BOUNDARY 22 @ 1'**

**H244290-22 (Solid)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	4071905	AC	19-Jul-24	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			96.7 %	71.5-134		4071816	JH	18-Jul-24	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			116 %	48.2-134		4071734	MS	18-Jul-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			128 %	49.1-148		4071734	MS	18-Jul-24	8015B	
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**Analytical Results For:**

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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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4071903 - 1:4 DI Water**

<b>Blank (4071903-BLK1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4071903-BS1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (4071903-BSD1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

**Batch 4071905 - 1:4 DI Water**

<b>Blank (4071905-BLK1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4071905-BS1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (4071905-BSD1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

**Batch 4071910 - 1:4 DI Water**

<b>Blank (4071910-BLK1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	ND	16.0	mg/kg							
<b>LCS (4071910-BS1)</b>		Prepared & Analyzed: 19-Jul-24								
Chloride	432	16.0	mg/kg	400		108	80-120			

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

**Analytical Results For:**

BBC International, Inc. P.O. Box 805 Hobbs NM, 88241	Project: 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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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 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	
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**Analytical Results For:**

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

**Cardinal Laboratories**

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

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**Analytical Results For:**

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

**Cardinal Laboratories**

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

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**Analytical Results For:**

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
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**Batch 4071734 - General Prep - Organics**

<b>Blank (4071734-BLK1)</b>		Prepared: 17-Jul-24 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	66.1		mg/kg	50.0		132	48.2-134			
Surrogate: 1-Chlorooctadecane	70.5		mg/kg	50.0		141	49.1-148			

<b>LCS (4071734-BS1)</b>		Prepared: 17-Jul-24 Analyzed: 18-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-05
Surrogate: 1-Chlorooctadecane	74.1		mg/kg	50.0		148	49.1-148			

<b>LCS Dup (4071734-BSD1)</b>		Prepared: 17-Jul-24 Analyzed: 18-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	49.1-148			S-05

**Batch 4071809 - General Prep - Organics**

<b>Blank (4071809-BLK1)</b>		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	59.2		mg/kg	50.0		118	48.2-134			
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	49.1-148			

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**Analytical Results For:**

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
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**Batch 4071809 - General Prep - Organics**

<b>LCS (4071809-BS1)</b>		Prepared & Analyzed: 18-Jul-24								
GRO C6-C10	183	10.0	mg/kg	200		91.6	66.4-123			
DRO >C10-C28	191	10.0	mg/kg	200		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			

<b>LCS Dup (4071809-BSD1)</b>		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**

<b>Blank (4071810-BLK1)</b>		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			

<b>LCS (4071810-BS1)</b>		Prepared & 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			

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**Analytical Results For:**

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
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**Batch 4071810 - General Prep - Organics**

<b>LCS Dup (4071810-BSD1)</b>		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			

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Cedar Canyon, Project Owner: Oxy  
 Project Name: SAND DUNES - CORRIBOR - WTR POLISH CTB (2/24/21)  
 Project Location: 11/22/22, 8/25/22, 2/25/23, 10/4/23, New Mexico  
 Sampler Name: CLIFF BRUNSON  
 P.O. #: Company: Oxy  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	BTEX	PHENX	Chloride
H24420	BOUNDARY 1@1'			GROUNDWATER			7/16/24	9:30AM	✓	✓	✓
	BOUNDARY 2@1'			WASTEWATER			7/16/24	9:40AM	✓	✓	✓
	BOUNDARY 3@1'			SOIL			7/16/24	9:45AM	✓	✓	✓
	BOUNDARY 4@1'			OIL			7/16/24	9:51AM	✓	✓	✓
	BOUNDARY 5@1'			SLUDGE			7/16/24	9:58AM	✓	✓	✓
	BOUNDARY 6@1'			OTHER :			7/16/24	10:05AM	✓	✓	✓
	BOUNDARY 7@1'			ACID/BASE:			7/16/24	10:10AM	✓	✓	✓
	BOUNDARY 8@1'			ICE / COOL			7/16/24	10:16AM	✓	✓	✓
	BOUNDARY 9@1'			OTHER :			7/16/24	10:20AM	✓	✓	✓
	BOUNDARY 10@1'						7/16/24	10:26AM	✓	✓	✓

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Relinquished By: *[Signature]* Date: 7-18-24 Time: 8:07 AM  
 Received By: *[Signature]*  
 Delivered By: (Circle One) *[Signature]* Sample Condition:  Intact  Cool  Yes  No  
 Sampler - UPS - Bus - Other: *[Signature]* CHECKED BY: (Initials) *[Signature]*

REMARKS:  
 \* Customer requested Name of Spill site Date Change.  
 40. 7/23/24

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



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

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: <i>Kedar Cowen 157</i> Project Name: SAND DUNES CORRIDOR - WFR POLISH CTB (2/24/24) Project Location: New Mexico Sampler Name: CLIFF BRUNSON				State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy City: Address: State: Zip: Phone #: Fax #:					
P.O. #: Company: Oxy Attn: Address: City: State: Zip: Phone #: Fax #:				<b>BILL TO</b>					
Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER: (G)RAB OR (C)OMP. # CONTAINERS: 6 PRESERV: ACID/BASE, ICE / COOL, OTHER:				<b>ANALYSIS REQUEST</b>					
Lab I.D. Sample I.D. 1124290		BOUNDARY 11@1' BOUNDARY 12@1' BOUNDARY 13@1' BOUNDARY 14@1' BOUNDARY 15@1' BOUNDARY 16@1' BOUNDARY 17@1' BOUNDARY 18@1' BOUNDARY 19@1' BOUNDARY 20@1'		DATE 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		TIME 10:32AM 10:40AM 10:45AM 10:52AM 10:57AM 11:10AM 11:20AM 11:30AM 11:40AM 11:51AM		Chloride BTEX TPHEX	
Relinquished By: <i>[Signature]</i> Date: 7/18/24 Time: 8:00 AM		Received By: <i>[Signature]</i> Date: 7/18/24 Time: 8:00 AM		Checked By: <i>[Signature]</i> Date: 7/18/24 Time: 8:00 AM		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS: <i>* Customer request of Name &amp; Spill Site Data changes. 7/23/24</i>			

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



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

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: <i>Kedars Canyon WFT</i> Project Name: <i>SAND BUSINESS CORRIDOR N. WITH BOUNDS CTB (02/24/23)</i> Project Location: <i>11812, 11212, 8125/22, 2125/23, 1019/23</i> New Mexico Project Owner: Oxy Project Location: <i>3/6/24</i>		<b>BILL TO</b> P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. <i>H240190</i> Date: <i>7/15/24</i> Sample I.D. <i>BOUNDARY 21@1'</i> Date: <i>7/22</i>		MATRIX (G)RAB OR (C)OMP. _____ # CONTAINERS <i>6</i> GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> OIL <input checked="" type="checkbox"/> SLUDGE _____ OTHER : _____ ACID/BASE: _____ ICE / COOL <input checked="" type="checkbox"/> OTHER : _____	
PRESERV _____ SAMPLING _____ DATE _____ TIME _____ DATE <i>7/16/24</i> TIME <i>12:05PM</i> DATE <i>7/16/24</i> TIME <i>12:11PM</i>		ANALYSIS REQUEST Chloride <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> TPHEXT <input checked="" type="checkbox"/>	
Relinquished By: _____ Date: <i>7/18/24</i> Time: <i>6:00 AM</i> Relinquished By: <i>Cliff Brunson</i> Date: <i>7/18/24</i> Time: <i>6:50</i> Received By: <i>Cliff Brunson</i>		CHECKED BY: _____ (Initials) Sample Condition: <i>APAWC</i> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>#140</i> -10.0 #140		REMARKS: *Customer requested Name & Spill Site Date changes. AD - 7/23/24	

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

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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
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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.

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\*=Accredited Analyte

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**Analytical Results For:**

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
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**SS 01 0.5'**  
**H250463-01 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5012819	HM	28-Jan-25	4500-Cl-B	
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**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	JH	27-Jan-25	8021B	
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**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	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		5012721	MS	28-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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
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**SS 02 0.5'**  
**H250463-02 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>288</b>		16.0	mg/kg	4	5012819	HM	28-Jan-25	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			123 %	71.5-134		5012719	JH	27-Jan-25	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			97.4 %	48.2-134		5012721	MS	28-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.4 %	49.1-148		5012721	MS	28-Jan-25	8015B	
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**Analytical Results For:**

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
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**SS 03 0.5'  
H250463-03 (Soil)**

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

**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-CI-B	
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**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	JH	27-Jan-25	8021B	
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**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	
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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



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**Analytical Results For:**

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
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**SS 04 0.5'**  
**H250463-04 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	71.5-134		5012719	JH	27-Jan-25	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			95.8 %	48.2-134		5012721	MS	28-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.3 %	49.1-148		5012721	MS	28-Jan-25	8015B	
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**Analytical Results For:**

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
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**SS 05 0.5'**  
**H250463-05 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			121 %	71.5-134		5012719	JH	27-Jan-25	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		5012721	MS	28-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	49.1-148		5012721	MS	28-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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
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**SS 06 0.5'**  
**H250463-06 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %	71.5-134		5012719	JH	27-Jan-25	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			90.6 %	48.2-134		5012721	MS	28-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.8 %	49.1-148		5012721	MS	28-Jan-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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
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**SS 07 0.5'**  
**H250463-07 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			117 %	71.5-134		5012719	JH	27-Jan-25	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			129 %	48.2-134		5012721	MS	28-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			131 %	49.1-148		5012721	MS	28-Jan-25	8015B	
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**Analytical Results For:**

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
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**SS 08 0.5'**  
**H250463-08 (Soil)**

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

**Inorganic Compounds**

<b>Chloride</b>	<b>304</b>		16.0	mg/kg	4	5012822	KV	28-Jan-25	4500-CI-B	
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**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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			123 %	71.5-134		5012719	JH	27-Jan-25	8021B	
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**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	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		5012721	MS	28-Jan-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	49.1-148		5012721	MS	28-Jan-25	8015B	
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**Analytical Results For:**

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
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

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

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**Analytical Results For:**

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

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 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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**Analytical Results For:**

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
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5012721 - General Prep - Organics**

<b>Blank (5012721-BLK1)</b>			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			

<b>LCS (5012721-BS1)</b>			Prepared & 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			

<b>LCS Dup (5012721-BSD1)</b>			Prepared & Analyzed: 27-Jan-25							
GRO C6-C10	232	10.0	mg/kg	200		116	81.5-123	20.5	13	QR-04
DRO >C10-C28	242	10.0	mg/kg	200		121	77.7-122	20.6	15.6	QR-04
Total TPH C6-C28	474	10.0	mg/kg	400		119	80.9-121	20.6	18.5	QR-04
Surrogate: 1-Chlorooctane	68.8		mg/kg	50.0		138	48.2-134			S-05
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 SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Ensolum, LLC  
 Project Manager: Hadlie Green

Address: 601 N. Marland St. STE 400

City: Midland State: TX Zip: 79701

Phone #: 432-557-8895

Project #: 0881417269 Project Owner:

Project Name: Cedar Canyon WTF

Project Location:

Sample Name: Oluade Adernito

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State: Zip:

Phone #: 575-390-2828

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV	SAMPLING	DATE	TIME	BIEX 802	TPH 8015	Chloride 4500
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							
HS04103	SS01	0.5'	X	1	X								1/23/25	16:24	X	X	X	
	SS02	0.5'	X	1	X								1/23/25	10:10	X	X	X	
	SS03	0.5'	X	1	X								1/23/25	12:21	X	X	X	
	SS04	0.5'	X	1	X								1/23/25	10:37	X	X	X	
	SS05	0.5'	X	1	X								1/23/25	14:11	X	X	X	
	SS06	0.5'	X	1	X								1/23/25	10:19	X	X	X	
	SS07	0.5'	X	1	X								1/23/25	13:05	X	X	X	
	SS08	0.5'	X	1	X													

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Relinquished By: Oluade Adernito  
 Date: 1/24/25  
 Time: 08:05

Relinquished By: Oluade Adernito  
 Date: 1/24/25  
 Time: 08:05

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

Received By: Speedaigner  
 Date: 1/24/25  
 Time: 14:44

Received By: Speedaigner  
 Date: 1/24/25  
 Time: 14:44

Observed Temp. °C: 3.0  
 Corrected Temp. °C: 2.4

Observed Temp. °C: 3.0  
 Corrected Temp. °C: 2.4

Verbal Result:  Yes  No Add'l Phone #:

Verbal Result:  Yes  No Add'l Phone #:

Remarks: \*Customer requested ITD changes re 1/30/25

Remarks: \*Customer requested ITD changes re 1/30/25

Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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Phone: (505) 476-3441

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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**

QUESTIONS

Action 429735

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429735
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2406733462
Incident Name	NAPP2406733462 CEDAR CANYON WTR TREATMENT FAC @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Facility	[fBGB1922049166] CEDAR CANYON RECYCLING FACILITY A AND B

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	CEDAR CANYON WTR TREATMENT FAC
Date Release Discovered	03/06/2024
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 25 BBL   Recovered: 0 BBL   Lost: 25 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 429735

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429735
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/07/2025
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Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 429735

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429735
	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.*

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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 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 1/2 and 1 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 100 and 200 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	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

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

On what estimated date will the remediation commence	02/15/2025
On what date will (or did) the 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 surface area (in square feet) that will be reclaimed	58430
What is the estimated volume (in cubic yards) that will be reclaimed	8650
What is the estimated surface area (in square feet) that will be remediated	58430
What is the estimated volume (in cubic yards) that will be remediated	8650

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

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

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QUESTIONS, Page 4

Action 429735

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429735
	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 appropriate district office no later than 90 days after the release discovery date.

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

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/07/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 429735

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429735
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

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

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QUESTIONS, Page 6

Action 429735

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429735
	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.}
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**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
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CONDITIONS

Action 429735

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 429735
	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