



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.

Sincerely,
Ensolum, LLC



Hadlie Green
Project Geologist



Beaux Jennings
Associate Principal

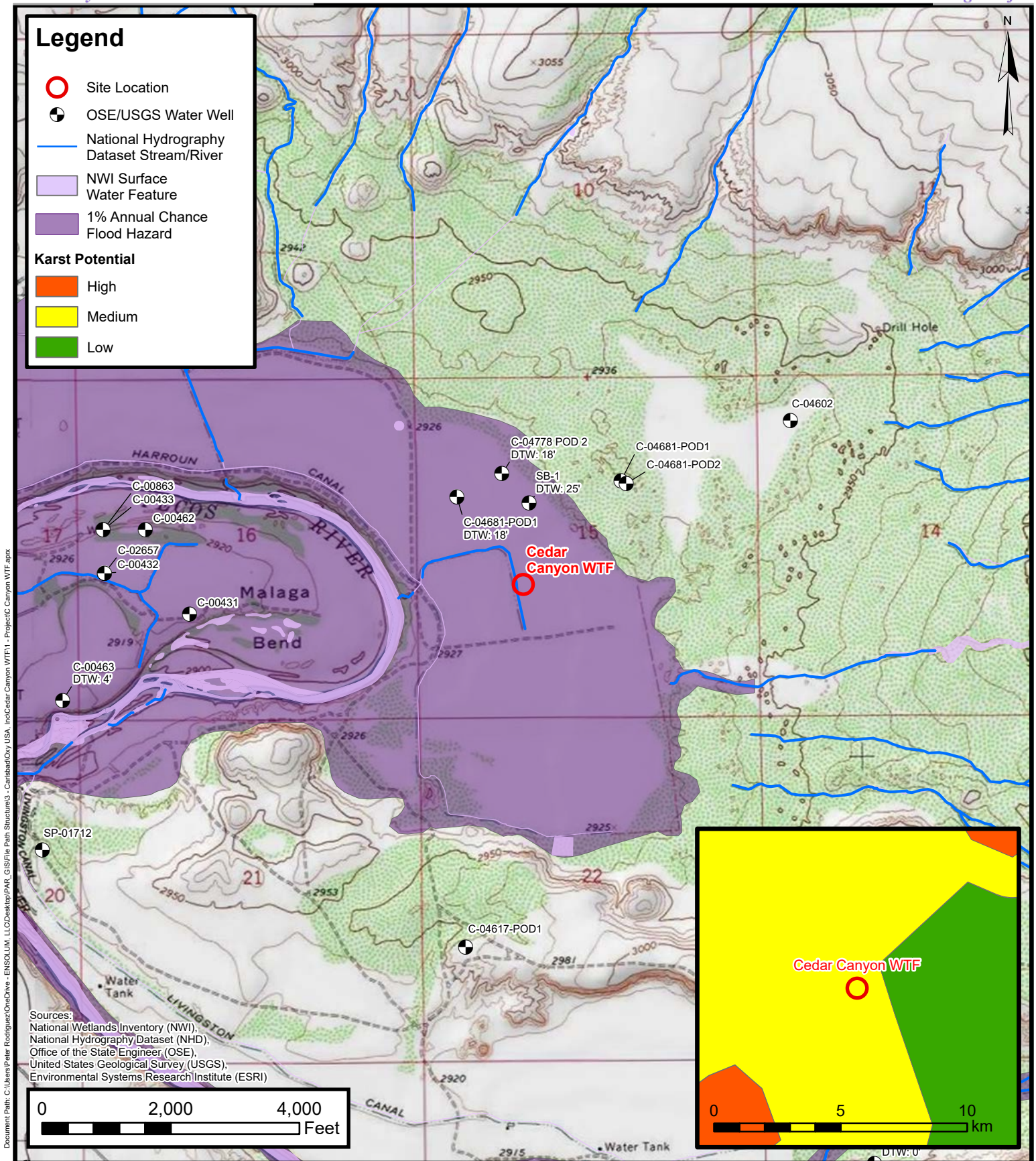
cc: Wade Dittrich, Oxy

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



Site Receptor Map

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

FIGURE

1

ENSOLUM
 Environmental, Engineering and
 Hydrogeologic Consultants





TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
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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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SP N	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP E	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP S	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP W	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 1	05/23/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	26,000
SP 1	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,120
SP 1	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,920
SP 1	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,120
SP 1	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,600
SP 1	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,840
SP 1	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	944
SP 1	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SP 1	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 2	05/23/2024	0.5	<0.050	<0.300	<10.0	31.6	<10.0	31.6	31.6	52,000
SP 2	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,320
SP 2	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,760
SP 2	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,080
SP 2	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
SP 2	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
SP 2	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
SP 2	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 2	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0



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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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP 3	05/23/2024	0.5	<0.050	<0.300	<10.0	488	166	488	654	62,400
SP 3	05/23/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,320
SP 3	05/23/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
SP 3	05/23/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,840
SP 3	05/23/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400
SP 3	05/23/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,680
SP 3	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP 3	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 3	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 4	05/24/2024	0.5	<0.050	<0.300	<10.0	26.6	<10.0	26.6	26.6	80,800
SP 4	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,240
SP 4	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,400
SP 4	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,860
SP 4	05/24/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,800
SP 4	05/24/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,730
SP 4	06/05/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
SP 4	06/05/2024	7	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 4	06/05/2024	8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 5	05/24/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 5	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SP 5	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
SP 5	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SP 5	07/01/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128



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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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP 6	05/24/2024	0.5	<0.050	<0.300	<10.0	52.4	<10.0	52.4	52.4	40,800
SP 6	05/24/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,480
SP 6	05/24/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SP 6	05/24/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
SP 6	05/24/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
SP 6	05/24/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SP 7	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,480
SP 7	05/28/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SP 7	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SP 7	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 8	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,800
SP 8	05/28/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SP 8	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP 8	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SP 9	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,720
SP 9	05/28/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP 9	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 9	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP 10	05/28/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,560
SP 10	05/28/2024	1	<0.050	<0.300	<10.0	54.0	37.2	54.0	91.2	192
SP 10	05/28/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 10	05/28/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160



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



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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP 16	05/29/2024	0.5	<0.050	<0.300	<10.0	38.9	44.9	38.9	83.8	4,880
SP 16	05/29/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
SP 16	05/29/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP 16	05/29/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
SP 16	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP 16	05/30/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 17	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	30,000
SP 17	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,400
SP 17	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
SP 17	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP 17	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SP 18	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,000
SP 18	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
SP 18	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SP 18	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 18	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP 19	05/30/2024	0.5	<0.050	<0.300	<10.0	43.4	18.0	43.4	61.4	9,900
SP 19	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
SP 19	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP 19	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP 19	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128



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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP 20	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,920
SP 20	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
SP 20	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
SP 20	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 20	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP 21	05/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,400
SP 21	05/30/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
SP 21	05/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,280
SP 21	05/30/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SP 21	05/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
SP 21	07/01/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SP 22	05/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 22	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,040
SP 22	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP 22	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP 22	05/31/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 22	05/31/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP 23	05/31/2024	0.5	<0.050	<0.300	<10.0	46.2	14.2	46.2	60.4	1,320
SP 23	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 23	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP 23	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160



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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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP 24	05/31/2024	0.5	<0.050	<0.300	<10.0	84.5	31.3	84.5	115.8	37,600
SP 24	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
SP 24	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,300
SP 24	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SP 24	05/31/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP 25	05/31/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,360
SP 25	05/31/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400
SP 25	05/31/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,400
SP 25	05/31/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 25	05/31/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP 25	05/31/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 26	06/03/2024	0.5	<0.050	<0.300	<10.0	16,100	5,680	16,100	21,780	6,400
SP 26	06/03/2024	1	<0.050	<0.300	<10.0	2,240	778	2,240	3,018	4,080
SP 26	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,500
SP 26	06/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SP 26	06/03/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 26	06/03/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP 27	06/03/2024	0.5	<0.050	<0.300	<10.0	5,690	1,350	5,690	7,040	20,600
SP 27	06/03/2024	1	<0.050	<0.300	<10.0	24.7	<10.0	24.7	24.7	7,800
SP 27	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,200
SP 27	06/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
SP 27	06/03/2024	4	<0.050	<0.300	<10.0	13.2	<10.0	13.2	13.2	224
SP 27	06/03/2024	5	<0.050	<0.300	<10.0	23.6	<10.0	23.6	23.6	32.0



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 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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP 28	06/03/2024	0.5	<0.050	0.37	136	37,300	8,210	37,436	45,646	16,800
SP 28	06/03/2024	1	<0.050	<0.300	67.5	4,050	852	4,118	4,970	2,080
SP 28	06/03/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380
SP 28	06/03/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP 28	06/03/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 28	06/03/2024	5	<0.050	<0.300	<10.0	14.8	<10.0	14.8	14.8	32.0
SP 29	06/03/2024	0.5	<0.050	<0.300	<10.0	28,100	8,650	28,100	36,750	8,560
SP 29	06/03/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,600
SP 29	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,310
SP 29	06/04/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SP 29	06/04/2024	4	<0.050	<0.300	<10.0	42.8	<10.0	<10.0	<10.0	160
SP 30	06/03/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,500
SP 30	06/03/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,200
SP 30	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,700
SP 30	06/04/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	324
SP 30	06/04/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP 30	06/04/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 31	06/05/2024	0.5	<0.050	<0.300	<10.0	807	373	807	1,180	23,600
SP 31	06/05/2024	1	<0.050	<0.300	<10.0	39.0	<10.0	39.0	39.0	1,040
SP 31	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
SP 31	06/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 31	06/05/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP 31	06/05/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144



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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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SP 32	06/04/2024	0.5	<0.050	<0.300	<10.0	109	98.8	109	208	21,600
SP 32	06/04/2024	1	<0.050	<0.300	<10.0	53.3	12.8	53.3	66.1	2,280
SP 32	06/04/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,800
SP 32	06/04/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 32	06/04/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SP 32	06/04/2024	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP 33	06/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	976
SP 33	06/05/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP 33	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP 33	06/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 34	06/05/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,880
SP 34	06/05/2024	1	<0.050	<0.300	<10.0	62.8	<10.0	62.8	62.8	864
SP 34	06/05/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,330
SP 34	06/05/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP 34	06/05/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
B 1	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 2	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
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



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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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
B 5	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 6	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
B 7	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
B 8	07/16/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
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



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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)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
SS06	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS07	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SS08	01/23/2025	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

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



APPENDIX A

Referenced Well Records



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 POD 1		WELL TAG ID NO. C-4778 Pod 1		OSE FILE NO(S) C-4778	
	WELL OWNER NAME(S) Oxy USA Inc.				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS P.O. Box 4294				CITY Houston	STATE TX
					ZIP 77210	
	WELL LOCATION (FROM GPS)		DEGREES 32	MINUTES 13	SECONDS 11	N
		LONGITUDE 105	58	44.8	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE 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) 27.5		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				DATE STATIC MEASURED 10-3-23		
	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)	SLOT SIZE (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				WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	C-4778-POD 1	BMW-1	POD NO.	POD 1	TRN NO. 761694
LOCATION	man 24.29.15.131		WELL TAG ID NO.	PAGE 1 OF 2	

OSE OFF DEC 21 2023 PM 2:11

5. TEST; RIG SUPERVISION

6. SIGNATURE

FILE NO.

C-4778-PD1 PM1-2-1

POD NO. **FOA**

TRN NO.	710194
---------	--------

LOCATION Mon 24.29.15131

WELL TAG ID NO. PAGE 2 OF 2



APPENDIX B

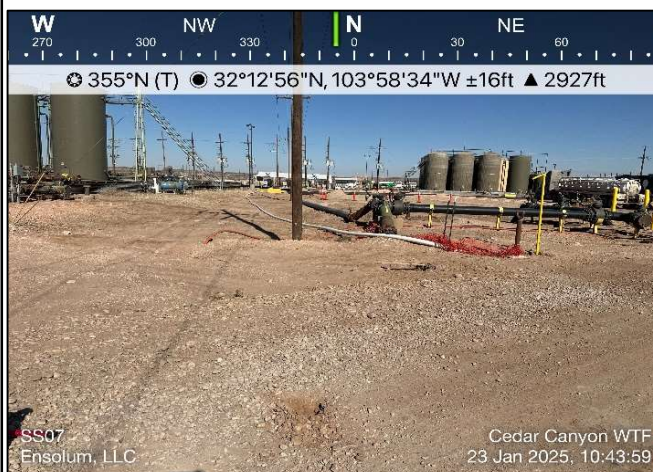
Photographic Log

**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



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.

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,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
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

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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 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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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 11@3'	H243043-58	Soil	28-May-24 15:30	31-May-24 08:13
SP 12@SURFACE	H243043-59	Soil	29-May-24 09:25	31-May-24 08:13
SP 12@1'	H243043-60	Soil	29-May-24 09:42	31-May-24 08:13
SP 12@2'	H243043-61	Soil	29-May-24 10:03	31-May-24 08:13
SP 12@3'	H243043-62	Soil	29-May-24 10:19	31-May-24 08:13
SP 13@SURFACE	H243043-63	Soil	29-May-24 10:36	31-May-24 08:13
SP 13@1'	H243043-64	Soil	29-May-24 10:55	31-May-24 08:13
SP 13@2'	H243043-65	Soil	29-May-24 11:20	31-May-24 08:13
SP 13@3'	H243043-66	Soil	29-May-24 11:41	31-May-24 08:13
SP 13@4'	H243043-67	Soil	29-May-24 12:03	31-May-24 08:13
SP 13@5'	H243043-68	Soil	29-May-24 12:46	31-May-24 08:13
SP 14@SURFACE	H243043-69	Soil	29-May-24 12:53	31-May-24 08:13
SP 14@1'	H243043-70	Soil	29-May-24 13:12	31-May-24 08:13
SP 14@2'	H243043-71	Soil	29-May-24 13:27	31-May-24 08:13
SP 14@3'	H243043-72	Soil	29-May-24 13:40	31-May-24 08:13
SP 15@SURFACE	H243043-73	Soil	29-May-24 13:53	31-May-24 08:13
SP 15@1'	H243043-74	Soil	29-May-24 14:05	31-May-24 08:13
SP 15@2'	H243043-75	Soil	29-May-24 14:18	31-May-24 08:13
SP 15@3'	H243043-76	Soil	29-May-24 14:34	31-May-24 08:13
SP 16@SURFACE	H243043-77	Soil	29-May-24 14:47	31-May-24 08:13
SP 16@1'	H243043-78	Soil	29-May-24 15:01	31-May-24 08:13
SP 16@2'	H243043-79	Soil	29-May-24 15:12	31-May-24 08:13
SP 16@3'	H243043-80	Soil	29-May-24 15:25	31-May-24 08:13

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

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Celey D. 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**

Chloride	32.0		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	
Surrogate: 4-Bromofluorobenzene (PID)			89.7 %	71.5-134		4053132	JH	03-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			76.0 %	48.2-134		4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			90.5 %	49.1-148		4053123	MS	03-Jun-24	8015B	

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*=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 E@ SURFACE**H243043-02 (Soil)**

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		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	
Surrogate: 4-Bromofluorobenzene (PID)			89.1 %	71.5-134		4053132	JH	03-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			75.1 %	48.2-134		4053123	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			89.2 %	49.1-148		4053123	MS	03-Jun-24	8015B	

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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 W@ SURFACE**H243043-03 (Soil)**

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		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)			89.8 %		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	

Surrogate: 1-Chlorooctane			59.5 %		48.2-134	4053123	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			67.2 %		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

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**

Chloride	48.0		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>			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



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 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-Cl-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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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 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**

Chloride	5120		16.0	mg/kg	4	4060423	HM	04-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	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	
DRO >C10-C28*	31.1		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	10.7		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 89.7 % 48.2-134 4053124 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148 4053124 MS 03-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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 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-Cl-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>			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	

<i>Surrogate: 1-Chlorooctane</i>			82.2 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.7 %		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

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-Cl-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	
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>			97.7 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.4 %		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

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**

Chloride	5600		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) 128 % 71.5-134 4060306 JH 03-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 84.3 % 48.2-134 4053124 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148 4053124 MS 03-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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 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**

Chloride	7840		16.0	mg/kg	4	4060423	HM	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	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) 120 % 71.5-134 4060306 JH 03-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 84.5 % 48.2-134 4053124 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148 4053124 MS 03-Jun-24 8015B

Cardinal Laboratories

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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 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**

Chloride	52000		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*	31.6		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane			77.3 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			71.9 %		49.1-148	4053124	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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 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**

Chloride	6320		16.0	mg/kg	4	4060423	HM	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	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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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 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**

Chloride	7760		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) 116 % 71.5-134 4060306 JH 03-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 85.5 % 48.2-134 4053124 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148 4053124 MS 03-Jun-24 8015B

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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 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**

Chloride	6080		16.0	mg/kg	4	4060423	HM	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	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) 117 % 71.5-134 4060306 JH 03-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 89.4 % 48.2-134 4053124 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148 4053124 MS 03-Jun-24 8015B

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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 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**

Chloride	7200		16.0	mg/kg	4	4060423	HM	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	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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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 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**

Chloride	7200		16.0	mg/kg	4	4060423	HM	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	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

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**

Chloride	62400		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)			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*	488		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	166		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane			70.7 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			69.3 %		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

SP 3@1'
H243043-18 (Soil)

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

Chloride	8320		16.0	mg/kg	4	4060423	HM	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	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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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 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	

<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>			87.1 %		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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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 3@3'
H243043-20 (Soil)

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

Chloride	3840		16.0	mg/kg	4	4060423	HM	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	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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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 3@4'
H243043-21 (Soil)

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

Chloride	6400		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)			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	

Surrogate: 1-Chlorooctane			89.4 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			84.8 %		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

SP 3@5'
H243043-22 (Soil)

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

Chloride	3680		16.0	mg/kg	4	4060423	HM	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	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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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 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**

Chloride	80800		16.0	mg/kg	4	4060423	HM	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	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)			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*	26.6		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053124	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane			69.0 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			63.8 %		49.1-148	4053124	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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 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**

Chloride	8240		16.0	mg/kg	4	4060423	HM	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	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			88.0 %		48.2-134	4053124	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			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

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**

Chloride	9400		16.0	mg/kg	4	4060423	HM	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>			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

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**

Chloride	9860		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>			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

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**

Chloride	8800		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>			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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Cardinal Laboratories

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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 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**

Chloride	7730		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	

Surrogate: 4-Bromofluorobenzene (PID)			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	

Surrogate: 1-Chlorooctane			83.6 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			83.5 %	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

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-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	

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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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 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**

Chloride	1120		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	

Surrogate: 4-Bromofluorobenzene (PID)			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	

Surrogate: 1-Chlorooctane			73.7 %	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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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 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**

Chloride	720		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

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**

Chloride	800		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	

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			74.0 %	48.2-134		4053125	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			69.5 %	49.1-148		4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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 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**

Chloride	40800		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	

Surrogate: 4-Bromofluorobenzene (PID)			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	
DRO >C10-C28*	52.4		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			58.1 %		48.2-134	4053125	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			58.9 %		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

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-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>			99.6 %	71.5-134		4060307	JH	04-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctane</i>			74.1 %	48.2-134		4053125	MS	03-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			72.4 %	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

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**

Chloride	1120		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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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 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**

Chloride	1040		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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	80.0 %	48.2-134	4053125	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	78.4 %	49.1-148	4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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 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**

Chloride	832		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>			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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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 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**

Chloride	240		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>			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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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 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-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	

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

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**

Chloride	352		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	

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	83.8 %	48.2-134	4053125	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	84.4 %	49.1-148	4053125	MS	03-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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 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**

Chloride	240		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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Cardinal Laboratories

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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 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**

Chloride	160		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	

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	
<i>Surrogate: 1-Chlorooctadecane</i>			79.2 %	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

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**

Chloride	1800		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>			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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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 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**

Chloride	144		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	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134 4060307 JH 04-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053125	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 96.3 % 48.2-134 4053125 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 103 % 49.1-148 4053125 MS 03-Jun-24 8015B

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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 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**

Chloride	256		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	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)	99.4 %	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	

Surrogate: 1-Chlorooctane	85.6 %	48.2-134	4053126	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	79.0 %	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

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**

Chloride	240		16.0	mg/kg	4	4060424	HM	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	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

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**

Chloride	2720		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	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	276		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	205		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			88.7 %	48.2-134		4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			79.6 %	49.1-148		4053126	MS	03-Jun-24	8015B	

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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 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-Cl-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>			99.1 %	71.5-134		4060308	JH	03-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctane</i>			81.0 %	48.2-134		4053126	MS	03-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			74.6 %	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

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**

Chloride	192		16.0	mg/kg	4	4060424	HM	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	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)	99.6 %	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	

Surrogate: 1-Chlorooctane	86.4 %	48.2-134	4053126	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	80.6 %	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

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**

Chloride	336		16.0	mg/kg	4	4060424	HM	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	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) 98.6 % 71.5-134 4060308 JH 03-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 89.0 % 48.2-134 4053126 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148 4053126 MS 03-Jun-24 8015B

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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 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-Cl-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	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			77.9 %	48.2-134		4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			72.9 %	49.1-148		4053126	MS	03-Jun-24	8015B	

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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 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**

Chloride	192		16.0	mg/kg	4	4060424	HM	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	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)			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	
DRO >C10-C28*	54.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	37.2		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane			79.3 %		48.2-134	4053126	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			71.8 %		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

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**

Chloride	64.0		16.0	mg/kg	4	4060424	HM	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	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	

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	
<i>Surrogate: 1-Chlorooctadecane</i>			69.2 %	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

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**

Chloride	160		16.0	mg/kg	4	4060424	HM	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	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	

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	
<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

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**

Chloride	6720		16.0	mg/kg	4	4060424	HM	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	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)			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	

Surrogate: 1-Chlorooctane			93.2 %		48.2-134	4053126	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			86.2 %		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

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-Cl-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



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 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**

Chloride	448		16.0	mg/kg	4	4060424	HM	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	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	

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	
<i>Surrogate: 1-Chlorooctadecane</i>			85.1 %	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

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-Cl-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>			99.2 %	71.5-134		4060308	JH	03-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctane</i>			94.0 %	48.2-134		4053126	MS	03-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			85.8 %	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

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**

Chloride	5120		16.0	mg/kg	4	4060424	HM	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	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	
DRO >C10-C28*	3670		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	

<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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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 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**

Chloride	752		16.0	mg/kg	4	4060424	HM	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	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	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
DRO >C10-C28*	149		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			86.4 %		48.2-134	4053126	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			82.3 %		49.1-148	4053126	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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 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**

Chloride	608		16.0	mg/kg	4	4060424	HM	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	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	

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	
<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

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**

Chloride	192		16.0	mg/kg	4	4060424	HM	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	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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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 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-Cl-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	
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>			88.6 %		48.2-134	4053126	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			81.9 %		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

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**

Chloride	3360		16.0	mg/kg	4	4060424	HM	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	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	

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	
<i>Surrogate: 1-Chlorooctadecane</i>			62.6 %	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

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-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)			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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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 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**

Chloride	1710		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	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctane			89.2 %	48.2-134		4060302	MS	03-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			97.7 %	49.1-148		4060302	MS	03-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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 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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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 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-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>			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	

<i>Surrogate: 1-Chlorooctane</i>			100 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %	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

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-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)	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

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-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>			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>			91.6 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.0 %	49.1-148		4060302	MS	03-Jun-24	8015B	
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Cardinal Laboratories

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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 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**

Chloride	80.0		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)			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			94.1 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	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

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-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>			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>			102 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			111 %	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

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



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 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-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>			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	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			113 %	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

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-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>			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>			109 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			120 %	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

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**

Chloride	4720		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)			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*	42.8		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	43.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane			92.4 %	48.2-134		4060302	MS	03-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			99.9 %	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

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**

Chloride	4880		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)			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*	38.9		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	44.9		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane			78.6 %		48.2-134	4060302	MS	03-Jun-24	8015B	
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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



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 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-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) 106 % 71.5-134 4060309 JH 03-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060302	MS	03-Jun-24	8015B	

Surrogate: 1-Chlorooctane 106 % 48.2-134 4060302 MS 03-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 117 % 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

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**

Chloride	496		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>			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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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 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**

Chloride	640		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>			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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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

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**Blank (4060336-BLK1)**

Prepared & Analyzed: 03-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4060336-BS1)

Prepared & Analyzed: 03-Jun-24

Chloride	448	16.0	mg/kg	400	112	80-120
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LCS Dup (4060336-BSD1)

Prepared & Analyzed: 03-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120	7.41	20
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Batch 4060343 - 1:4 DI Water**Blank (4060343-BLK1)**

Prepared & Analyzed: 03-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4060343-BS1)

Prepared & Analyzed: 03-Jun-24

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (4060343-BSD1)

Prepared & Analyzed: 03-Jun-24

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Batch 4060419 - 1:4 DI Water**Blank (4060419-BLK1)**

Prepared & Analyzed: 04-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4060419-BS1)

Prepared & Analyzed: 04-Jun-24

Chloride	432	16.0	mg/kg	400	108	80-120
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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

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**LCS Dup (4060419-BSD1)**

Prepared & Analyzed: 04-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120	3.77	20
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Batch 4060423 - 1:4 DI Water**Blank (4060423-BLK1)**

Prepared & Analyzed: 04-Jun-24

Chloride	ND	16.0	mg/kg					
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LCS (4060423-BS1)

Prepared & Analyzed: 04-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120		
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LCS Dup (4060423-BSD1)

Prepared & Analyzed: 04-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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Batch 4060424 - 1:4 DI Water**Blank (4060424-BLK1)**

Prepared & Analyzed: 04-Jun-24

Chloride	ND	16.0	mg/kg					
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LCS (4060424-BS1)

Prepared & Analyzed: 04-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120		
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LCS Dup (4060424-BSD1)

Prepared & Analyzed: 04-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120	0.00	20
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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

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-BS1)

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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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

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-BS1)

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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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

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

LCS Dup (4060307-BSD1)

Prepared: 03-Jun-24 Analyzed: 04-Jun-24

Benzene	2.03	0.050	mg/kg	2.00		102	82.8-130	0.634	15.8	
Toluene	2.12	0.050	mg/kg	2.00		106	86-128	2.31	15.9	
Ethylbenzene	2.15	0.050	mg/kg	2.00		108	85.9-128	2.57	16	
m,p-Xylene	4.20	0.100	mg/kg	4.00		105	89-129	2.66	16.2	
o-Xylene	2.14	0.050	mg/kg	2.00		107	86.1-125	3.06	16.7	
Total Xylenes	6.34	0.150	mg/kg	6.00		106	88.2-128	2.80	16.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0501 mg/kg 0.0500 100 71.5-134

Batch 4060308 - Volatiles**Blank (4060308-BLK1)**

Prepared & Analyzed: 03-Jun-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID) ND mg/kg 0.0500 98.1 71.5-134

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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

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**LCS (4060308-BS1)**

Prepared & Analyzed: 03-Jun-24

Benzene	1.70	0.050	mg/kg	2.00		85.1	82.8-130			
Toluene	1.71	0.050	mg/kg	2.00		85.5	86-128			BS-3
Ethylbenzene	1.63	0.050	mg/kg	2.00		81.6	85.9-128			BS-3
m,p-Xylene	3.28	0.100	mg/kg	4.00		81.9	89-129			BS-3
o-Xylene	1.80	0.050	mg/kg	2.00		90.2	86.1-125			
Total Xylenes	5.08	0.150	mg/kg	6.00		84.7	88.2-128			BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.6	71.5-134			

LCS Dup (4060308-BS1)

Prepared & Analyzed: 03-Jun-24

Benzene	1.61	0.050	mg/kg	2.00		80.3	82.8-130	5.87	15.8	BS-3
Toluene	1.66	0.050	mg/kg	2.00		82.9	86-128	3.09	15.9	BS-3
Ethylbenzene	1.61	0.050	mg/kg	2.00		80.3	85.9-128	1.62	16	BS-3
m,p-Xylene	3.23	0.100	mg/kg	4.00		80.8	89-129	1.42	16.2	BS-3
o-Xylene	1.79	0.050	mg/kg	2.00		89.5	86.1-125	0.847	16.7	
Total Xylenes	5.02	0.150	mg/kg	6.00		83.7	88.2-128	1.21	16.3	BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0485		mg/kg	0.0500		97.0	71.5-134			

Batch 4060309 - Volatiles**Blank (4060309-BLK1)**

Prepared & Analyzed: 03-Jun-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0543		mg/kg	0.0500		109	71.5-134			

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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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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-BSD1)

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

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**Blank (4053123-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	46.3		mg/kg	50.0		92.6	48.2-134			
Surrogate: 1-Chlorooctadecane	56.6		mg/kg	50.0		113	49.1-148			

LCS (4053123-BS1)

Prepared: 31-May-24 Analyzed: 03-Jun-24

GRO C6-C10	202	10.0	mg/kg	200		101	66.4-123			
DRO >C10-C28	197	10.0	mg/kg	200		98.6	66.5-118			
Total TPH C6-C28	399	10.0	mg/kg	400		99.8	77.6-123			
Surrogate: 1-Chlorooctane	57.0		mg/kg	50.0		114	48.2-134			
Surrogate: 1-Chlorooctadecane	69.2		mg/kg	50.0		138	49.1-148			

LCS Dup (4053123-BS1)

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**Blank (4053124-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	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:

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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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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-BS1)

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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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

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**LCS Dup (4053125-BSD1)**

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**Blank (4053126-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	49.2		mg/kg	50.0		98.4	48.2-134			
Surrogate: 1-Chlorooctadecane	46.2		mg/kg	50.0		92.3	49.1-148			

LCS (4053126-BS1)

Prepared: 31-May-24 Analyzed: 03-Jun-24

GRO C6-C10	199	10.0	mg/kg	200		99.7	66.4-123			
DRO >C10-C28	203	10.0	mg/kg	200		102	66.5-118			
Total TPH C6-C28	403	10.0	mg/kg	400		101	77.6-123			
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	48.2-134			
Surrogate: 1-Chlorooctadecane	50.5		mg/kg	50.0		101	49.1-148			

LCS Dup (4053126-BSD1)

Prepared: 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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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

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**Blank (4060302-BLK1)**

Prepared & Analyzed: 03-Jun-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.3	48.2-134			
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0		104	49.1-148			

LCS (4060302-BS1)

Prepared & Analyzed: 03-Jun-24

GRO C6-C10	182	10.0	mg/kg	200		91.0	66.4-123			
DRO >C10-C28	193	10.0	mg/kg	200		96.3	66.5-118			
Total TPH C6-C28	375	10.0	mg/kg	400		93.7	77.6-123			
Surrogate: 1-Chlorooctane	50.3		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	53.9		mg/kg	50.0		108	49.1-148			

LCS Dup (4060302-BS1)

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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A handwritten signature in black ink, appearing to read "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

1049

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST							
Project Manager: Cliff Brunson		P.O. #:									
Address: P.O. Box 805		Company: Oxy									
City: Hobbs		Attn:									
Phone #: 575-397-6388		Address:									
State: NM Zip: 88241		City:									
Fax #: 575-397-0397		State:									
Project #:		Zip:									
Project Name: CEDAR CANYON WTE (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											
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	BTEX	TPHEXT
	SP N@ SURFACE			GROUNDWATER			5/23/24	9:25AM	✓	✓	✓
	SP E@ SURFACE			WASTEWATER			5/23/24	9:43AM	✓	✓	✓
	SP W@ SURFACE			SOIL			5/23/24	10:06AM	✓	✓	✓
	SP S@ SURFACE			OIL			5/23/24	10:21AM	✓	✓	✓
	SP 1@ SURFACE			SLUDGE			5/23/24	10:41AM	✓	✓	✓
	SP 1@1'			OTHER :			5/23/24	10:56AM	✓	✓	✓
	SP 1@2'			ACID/BASE:			5/23/24	11:16AM	✓	✓	✓
	SP 1@3'			ICE / COOL			5/23/24	11:35AM	✓	✓	✓
	SP 1@4'			OTHER :			5/23/24	11:52AM	✓	✓	✓
	SP 1@5'						5/23/24	12:08PM	✓	✓	✓
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Relinquished By:		Date: 5-31-24		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:			
Relinquished By:		Time: 8:10 AM		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:			
Relinquished By:		Date: 5-31-24		Received By:		REMARKS:					
Relinquished By:		Time: 8:13		Received By:		* Customer requested Date change to 6/26/24					
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)							
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>							
Sampler - UPS - Bus - Other:		Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>							

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

209

BILL TO				ANALYSIS REQUEST					
Company Name: BBC International, Inc.				P.O. #:					
Project Manager: Cliff Brunson				Company: Oxy					
Address: P.O. Box 805				Attn:					
City: Hobbs				State: NM Zip: 88241					
Phone #: 575-397-6388				Fax #: 575-397-0397					
Project #:				Project Owner: Oxy					
Project Name: 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 #:					
Sample Name: SIMON RENDAN				Fax #:					
<small>FOR LAB USE ONLY</small>									
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		MATRIX		PRESERV		SAMPLING	
		# CONTAINERS							
H243043 SP 2@SURFACE SP 2@1' SP 2@2' SP 2@3' SP 2@4' SP 2@5' SP 3@SURFACE SP 3@1' SP 3@2' SP 3@3'		GROUNDWATER		DATE		TIME			
		WASTEWATER		5/23/24		12:47PM			
		SOIL		5/23/24		1:08PM			
		OIL		5/23/24		1:23PM			
		SLUDGE		5/23/24		1:37PM			
		OTHER :		5/23/24		1:56PM			
		ACID/BASE:		5/23/24		2:16PM			
ICE / COOL		5/23/24		2:26PM					
OTHER :		5/23/24		2:43PM					
		5/23/24		3:04PM					
		5/23/24		3:21PM					
<p>PLEASE NOTE: Liability and Damages Cardholder'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 the client for the service. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or lost profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon all of the above stated reasons or otherwise.</p>									
Relinquished By:		Date: 5-31-24		Received By:		Date: 5-31-24		Time: 6:00 AM	
Relinquished By:		Date: 5-31-24		Received By:		Date: 5-31-24		Time: 8:13	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		-9.4		CAPACOR		Sample Condition		CHECKED BY: (Initials) AT	
#140				Cool Intact		Yes Yes No No			
REMARKS: * Customer requested Date Changes to 6/26/24									

Page 98 of 105



ORDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 9

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 Sample Name: SIMON RENDAN FOR LAB USE ONLY				P.O. #: Company: Oxy Attn: Address: City: State: Zip:			
Lab I.D.				Sample I.D.			
Relinquished By: <i>[Signature]</i>				Received By: <i>[Signature]</i>			
Relinquished Date: 5-31-24				Received Date: 5-31-24			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

449

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST															
Project Manager: Cliff Brunson		P.O. #:																	
Address: P.O. Box 805		Company: Oxy																	
City: Hobbs		Attn:																	
Phone #: 575-397-6388		State: NM		Zip: 88241															
Fax #: 575-397-0397		Address:																	
Project #:		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 #:																	
Sample Name: SIMON RENDAN		Fax #:																	
FOR LAB USE ONLY		PRESERV		SAMPLING															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		DATE		TIME		Chloride		BTEX		TPHEXT	
31		SP 5 @ 2'				1		GROUNDWATER		5/24/24		12:02PM		✓		✓		✓	
32		SP 5 @ 3'						WASTEWATER		5/24/24		12:46PM		✓		✓		✓	
33		SP 6 @ SURFACE						SOIL		5/24/24		1:15PM		✓		✓		✓	
34		SP 6 @ 1'						OIL		5/24/24		1:38PM		✓		✓		✓	
35		SP 6 @ 2'						SLUDGE		5/24/24		2:08PM		✓		✓		✓	
36		SP 6 @ 3'						OTHER :		5/24/24		2:31PM		✓		✓		✓	
37		SP 6 @ 4'						ACID/BASE:		5/24/24		2:52PM		✓		✓		✓	
38		SP 6 @ 5'						ICE / COOL		5/24/24		3:14PM		✓		✓		✓	
39								OTHER :											
40																			
41																			
42																			
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Relinquished By: *[Signature]* **Date:** 5-31-24 **Received By:** *[Signature]* **Date:** 5-31-24

Relinquished By: *[Signature]* **Date:** 5-31-24 **Received By:** *[Signature]* **Date:** 5-31-24

Delivered By: (Circle One) *Cardinal* **Checked By:** *[Signature]* **Sample Condition:** ☒ Cool ☐ Intact ☐ Pres ☐ Pres ☐ No ☐ No

Sampler - UPS - Bus - Other: *#140*

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

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
Fax Result: ☐ Yes ☐ No **Add'l Fax #:**
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

589

Page 101 of 105



101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

682

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 Sample Name: SIMON RENDAN		P.O. #: Company: Oxy Attn: Address: City: State: Zip:	
FOR LAB USE ONLY Lab I.D.: Sample I.D.:		BILL TO ANALYSIS REQUEST	
Date: 5-31-24 Time: 8:00 AM Relinquished By: [Signature]		Received By: [Signature]	
Date: 5-31-24 Time: 8:00 AM Relinquished By: [Signature]		Received By: [Signature]	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	
Checked By: [Signature]		Checked By: [Signature]	
REMARKS: * Customer requested 7 days changes. 40. 6/24/24		REMARKS:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	BIEX	PH EXT
59	SP 12@SURFACE												5/29/24	9:25AM	✓	✓	✓
50	SP 12@1'												5/29/24	9:42AM	✓	✓	✓
41	SP 12@2'												5/29/24	10:03AM	✓	✓	✓
42	SP 12@3'												5/29/24	10:19AM	✓	✓	✓
63	SP 13@SURFACE												5/29/24	10:36AM	✓	✓	✓
44	SP 13@1'												5/29/24	10:55AM	✓	✓	✓
45	SP 13@2'												5/29/24	11:20AM	✓	✓	✓
46	SP 13@3'												5/29/24	11:41AM	✓	✓	✓
47	SP 13@4'												5/29/24	12:03PM	✓	✓	✓
48	SP 13@5'												5/29/24	12:46PM	✓	✓	✓



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

678

Page 104 of 105



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

686

Page 105 of 105

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.

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



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

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**

Chloride	976		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-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)		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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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

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**

Chloride	480		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-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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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

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**

Chloride	192		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-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



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

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-Cl-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>			98.1 %	71.5-134		4060734	JH	08-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		4060715	ms	07-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			119 %	49.1-148		4060715	ms	07-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

SP 34@SURFACE**H243259-05 (Soil)**

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	4880		16.0	mg/kg	4	4061101	HM	11-Jun-24	4500-Cl-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)		97.9 %		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		109 %		48.2-134	4060715	ms	07-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		120 %		49.1-148	4060715	ms	07-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

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**

Chloride	864		16.0	mg/kg	4	4061101	HM	11-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) 111 % 71.5-134 4060735 JH 08-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
DRO >C10-C28*	62.8		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	07-Jun-24	8015B	

Surrogate: 1-Chlorooctane 80.4 % 48.2-134 4060715 ms 07-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148 4060715 ms 07-Jun-24 8015B

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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

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**

Chloride	1330		16.0	mg/kg	4	4061101	HM	11-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)	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	

Surrogate: 1-Chlorooctane	112 %	48.2-134	4060715	ms	07-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	126 %	49.1-148	4060715	ms	07-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

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**

Chloride	400		16.0	mg/kg	4	4061101	HM	11-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>			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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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

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**

Chloride	400		16.0	mg/kg	4	4061101	HM	11-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)			114 %	71.5-134		4060735	JH	08-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			113 %	48.2-134		4060715	ms	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			126 %	49.1-148		4060715	ms	08-Jun-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	944		16.0	mg/kg	4	4061101	HM	11-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	4060715	ms	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060715	ms	08-Jun-24	8015B	

Surrogate: 1-Chlorooctane			115 %	48.2-134		4060715	ms	08-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			129 %	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

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**

Chloride	144		16.0	mg/kg	4	4061101	HM	11-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>		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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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

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**

Chloride	64.0		16.0	mg/kg	4	4061101	HM	11-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>			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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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

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**

Chloride	832		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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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

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**

Chloride	64.0		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) 114 % 71.5-134 4060735 JH 08-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	

Surrogate: 1-Chlorooctane 94.5 % 48.2-134 4060719 MS 07-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148 4060719 MS 07-Jun-24 8015B

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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

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**

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) 106 % 71.5-134 4060735 JH 08-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	07-Jun-24	8015B	

Surrogate: 1-Chlorooctane 112 % 48.2-134 4060719 MS 07-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 110 % 49.1-148 4060719 MS 07-Jun-24 8015B

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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

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**

Chloride	304		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

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**

Chloride	32.0		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	

<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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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

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**

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	

<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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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

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**

Chloride	896		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)	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	

Surrogate: 1-Chlorooctane	127 %	48.2-134	4060719	MS	08-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	126 %	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

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**

Chloride	160		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	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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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

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**

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	

<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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Cardinal Laboratories

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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

Inorganic Compounds - Quality Control**Cardinal Laboratories**

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

Batch 4061038 - 1:4 DI Water**Blank (4061038-BLK1)**

Prepared & Analyzed: 10-Jun-24

Chloride	ND	16.0	mg/kg							
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LCS (4061038-BS1)

Prepared & Analyzed: 10-Jun-24

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (4061038-BSD1)

Prepared & Analyzed: 10-Jun-24

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 4061101 - 1:4 DI Water**Blank (4061101-BLK1)**

Prepared & Analyzed: 11-Jun-24

Chloride	ND	16.0	mg/kg							
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LCS (4061101-BS1)

Prepared & Analyzed: 11-Jun-24

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (4061101-BSD1)

Prepared & Analyzed: 11-Jun-24

Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	
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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

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-BS1)

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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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

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-BS1)

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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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

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**Blank (4060715-BLK1)**

Prepared & Analyzed: 07-Jun-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.6	48.2-134			
Surrogate: 1-Chlorooctadecane	53.6		mg/kg	50.0		107	49.1-148			

LCS (4060715-BS1)

Prepared & Analyzed: 07-Jun-24

GRO C6-C10	192	10.0	mg/kg	200		95.9	66.4-123			
DRO >C10-C28	176	10.0	mg/kg	200		88.2	66.5-118			
Total TPH C6-C28	368	10.0	mg/kg	400		92.0	77.6-123			
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.0	48.2-134			
Surrogate: 1-Chlorooctadecane	50.7		mg/kg	50.0		101	49.1-148			

LCS Dup (4060715-BS1)

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**Blank (4060719-BLK1)**

Prepared & Analyzed: 07-Jun-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	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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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

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-BS1)

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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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



~~CARDINAL~~ LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

183

[illegible]



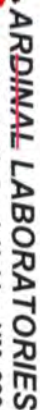
ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 3

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST			
Project Manager: Cliff Brunson				P.O. #:							
Address: P.O. Box 805				Company: Oxy							
City: Hobbs				Attn:							
Phone #: 575-397-6388				State: NM Zip: 88241							
Fax #: 575-397-0397				Address:							
Project #:				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 #:							
Sampler Name: SIMON RENDAN				*SLU: 4824							
<small>FOR LAB USE ONLY</small>											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER	
								<input checked="" type="checkbox"/> SOIL			
								<input checked="" type="checkbox"/> OIL			
								<input checked="" type="checkbox"/> SLUDGE			
								<input checked="" type="checkbox"/> OTHER :			
								<input checked="" type="checkbox"/> ACID/BASE			
								<input checked="" type="checkbox"/> ICE / COOL			
								<input checked="" type="checkbox"/> OTHER :			
								DATE		TIME	
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	
19		SP 4 @ 6'						6/5/24		3:05PM	
20		SP 4 @ 7'						6/5/24		3:14PM	
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Relinquished By:		Date: 6-6-24		Received By:		Date: 6-6-24		Time: 8:00pm		Time: 8:00pm	
Relinquished By:		Date: 6-6-24		Received By:		Date: 6-6-24		Time: 10:51		Time: 10:51	
Delivered By: (Circle One)		Time: 14:0		Received By:		Date: 6-6-24		Time: 10:51		Time: 10:51	
Sampler - UPS - Bus - Other:		Time: 14:0		Received By:		Date: 6-6-24		Time: 10:51		Time: 10:51	
Sample Condition		Intact		Checked By:		Initials:		Checked By:		Initials:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
REMARKS:											
*project name correction. per customer. Specimens of 10-24-24											

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

363

[illegible]

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

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.

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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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

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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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

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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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, 88241Project: CEDAR CANYON WTF
Project Number: 7/15/22,7/22/22,8/25/22,2/25/23,;
Project Manager: Cliff Brunson
Fax To: (575) 397-0397Reported:
28-Jun-24 15:38

SP 32 @ 4'	H243260-89	Soil	04-Jun-24 15:17	06-Jun-24 16:51
SP 32 @ 5'	H243260-90	Soil	04-Jun-24 15:29	06-Jun-24 16:51

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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BBC International, Inc.
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 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**

Chloride	112		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	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane		95.5 %		48.2-134	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane		97.5 %		49.1-148	4060719	MS	08-Jun-24	8015B	

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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

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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			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	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	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 15:38

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**

Chloride	30000		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	

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134 4060735 JH 08-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	

Surrogate: 1-Chlorooctane 104 % 48.2-134 4060719 MS 08-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 102 % 49.1-148 4060719 MS 08-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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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 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**

Chloride	4400		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>			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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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

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**

Chloride	3520		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>			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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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

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**

Chloride	464		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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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

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**

Chloride	96.0		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	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)			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	

Surrogate: 1-Chlorooctane			102 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			98.9 %	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 15:38

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**

Chloride	15000		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	

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	

Surrogate: 1-Chlorooctane 104 % 48.2-134 4060719 MS 08-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 100 % 49.1-148 4060719 MS 08-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	608		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	

Surrogate: 4-Bromofluorobenzene (PID)			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	

Surrogate: 1-Chlorooctane			111 %	48.2-134		4060719	MS	08-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			113 %	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 15:38

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**

Chloride	368		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	
Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5-134		4060736	JH	10-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2-134		4060719	MS	08-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			105 %	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 15:38

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**

Chloride	400		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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	98.4 %	48.2-134	4060719	MS	08-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	95.9 %	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 15:38

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**

Chloride	128		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	103 %	48.2-134	4060719	MS	08-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	101 %	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 15:38

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**

Chloride	9900		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

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

Surrogate: 1-Chlorooctane 106 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 110 % 49.1-148 4060720 MS 10-Jun-24 8015B

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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

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**

Chloride	896		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 128 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 132 % 49.1-148 4060720 MS 10-Jun-24 8015B

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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

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**

Chloride	528		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 129 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 139 % 49.1-148 4060720 MS 10-Jun-24 8015B

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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

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**

Chloride	416		16.0	mg/kg	4	4061022	HM	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>			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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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

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**

Chloride	128		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 108 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 117 % 49.1-148 4060720 MS 10-Jun-24 8015B

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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

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**

Chloride	3920		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID)	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	

Surrogate: 1-Chlorooctane	122 %	48.2-134	4060720	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	123 %	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

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**

Chloride	1380		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 119 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 122 % 49.1-148 4060720 MS 10-Jun-24 8015B

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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 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**

Chloride	928		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 127 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 135 % 49.1-148 4060720 MS 10-Jun-24 8015B

Cardinal Laboratories

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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

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**

Chloride	320		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 118 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 128 % 49.1-148 4060720 MS 10-Jun-24 8015B

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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

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**

Chloride	64.0		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID)			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	

Surrogate: 1-Chlorooctane			105 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	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

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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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

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**

Chloride	1380		16.0	mg/kg	4	4061022	HM	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	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134 4060736 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 122 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 125 % 49.1-148 4060720 MS 10-Jun-24 8015B

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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

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**

Chloride	1280		16.0	mg/kg	4	4061022	HM	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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 125 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 130 % 49.1-148 4060720 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	624		16.0	mg/kg	4	4061022	HM	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>			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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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

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**

Chloride	672		16.0	mg/kg	4	4061022	HM	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)			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	

Surrogate: 1-Chlorooctane			127 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			133 %	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

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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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

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**

Chloride	3040		16.0	mg/kg	4	4061022	HM	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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 107 % 48.2-134 4060720 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 110 % 49.1-148 4060720 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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-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	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>			112 %	48.2-134		4060720	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			118 %	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

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**

Chloride	304		16.0	mg/kg	4	4061024	HM	11-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	4060720	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060720	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane	134 %	48.2-134	4060720	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	142 %	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

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**

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	

<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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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

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	

<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>			96.9 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			126 %	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

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**

Chloride	1320		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

Petroleum Hydrocarbons by GC FID

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

Surrogate: 1-Chlorooctane 102 % 48.2-134 4060721 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 130 % 49.1-148 4060721 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	192		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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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

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**

Chloride	112		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>	<i>104 %</i>	<i>71.5-134</i>	<i>4060737</i>	<i>JH</i>	<i>10-Jun-24</i>	<i>8021B</i>	
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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>	<i>99.8 %</i>	<i>48.2-134</i>	<i>4060721</i>	<i>MS</i>	<i>10-Jun-24</i>	<i>8015B</i>	
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<i>Surrogate: 1-Chlorooctadecane</i>	<i>129 %</i>	<i>49.1-148</i>	<i>4060721</i>	<i>MS</i>	<i>10-Jun-24</i>	<i>8015B</i>	
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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

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	

<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>			106 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			131 %	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

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**

Chloride	37600		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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	84.5		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	31.3		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 89.5 % 48.2-134 4060721 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 114 % 49.1-148 4060721 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	6000		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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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

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**

Chloride	1300		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	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			91.2 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			113 %	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

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**

Chloride	336		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)	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

Surrogate: 1-Chlorooctane	103 %	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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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

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**

Chloride	48.0		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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 96.8 % 48.2-134 4060721 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 120 % 49.1-148 4060721 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	5360		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)			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	

Surrogate: 1-Chlorooctane			74.0 %		48.2-134	4060721	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			94.7 %		49.1-148	4060721	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	2400		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
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B

Surrogate: 1-Chlorooctane	97.3 %	48.2-134	4060721	MS	10-Jun-24	8015B
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Surrogate: 1-Chlorooctadecane	120 %	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

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**

Chloride	1400		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	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) 102 % 71.5-134 4060738 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 99.9 % 48.2-134 4060721 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 124 % 49.1-148 4060721 MS 10-Jun-24 8015B

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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

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-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
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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 103 % 48.2-134 4060721 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 129 % 49.1-148 4060721 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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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 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-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>			99.9 %	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	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		4060721	MS	10-Jun-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			138 %	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

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**

Chloride	192		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	

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134 4060738 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 102 % 48.2-134 4060721 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 127 % 49.1-148 4060721 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	6400		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	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 4060738 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID**S-06**

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

Surrogate: 1-Chlorooctane 124 % 48.2-134 4060721 MS 11-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 409 % 49.1-148 4060721 MS 11-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

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**

Chloride	4080		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	

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134 4060738 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID**S-04**

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

Surrogate: 1-Chlorooctane 107 % 48.2-134 4060721 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 164 % 49.1-148 4060721 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	6500		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>			98.3 %	71.5-134		4060738	JH	10-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060721	MS	10-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		4060721	MS	10-Jun-24	8015B	
<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



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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 26 @ 3'
H243260-53 (Soil)

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

Chloride	304		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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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

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**

Chloride	32.0		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	

Surrogate: 4-Bromofluorobenzene (PID)			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	

Surrogate: 1-Chlorooctane			94.1 %		48.2-134	4060722	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			88.1 %		49.1-148	4060722	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

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**

Chloride	32.0		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>			97.5 %		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	
DRO >C10-C28*	27.7		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

<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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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

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**

Chloride	20600		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	

Surrogate: 4-Bromofluorobenzene (PID)			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	
DRO >C10-C28*	5690		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	1350		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			105 %		48.2-134	4060722	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			148 %		49.1-148	4060722	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

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**

Chloride	7800		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	

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134 4060738 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	24.7		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 129 % 48.2-134 4060722 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 126 % 49.1-148 4060722 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	6200		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>			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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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

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**

Chloride	848		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	
Surrogate: 4-Bromofluorobenzene (PID)			98.4 %	71.5-134		4060738	JH	10-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctane			131 %	48.2-134		4060722	MS	10-Jun-24	8015B	
Surrogate: 1-Chlorooctadecane			123 %	49.1-148		4060722	MS	10-Jun-24	8015B	

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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

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**

Chloride	224		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	

Surrogate: 4-Bromofluorobenzene (PID)	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	
DRO >C10-C28*	13.2	10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060722	MS	11-Jun-24	8015B	

Surrogate: 1-Chlorooctane	91.9 %	48.2-134	4060722	MS	11-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	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

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**

Chloride	32.0		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>			97.6 %		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	
DRO >C10-C28*	23.6		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

<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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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

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**

Chloride	16800		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
Total Xylenes*	0.371		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1
Total BTEX	0.371		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134 4060738 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	136		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
DRO >C10-C28*	37300		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	8210		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	

Surrogate: 1-Chlorooctane 149 % 48.2-134 4060722 MS 11-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 940 % 49.1-148 4060722 MS 11-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	2080		16.0	mg/kg	4	4061040	AC	10-Jun-24	4500-Cl-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
Total Xylenes*	0.231		0.150	mg/kg	50	4060738	JH	10-Jun-24	8021B	GC-NC1
Total BTEX	<0.300		0.300	mg/kg	50	4060738	JH	10-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 145 % 71.5-134 4060738 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	67.5		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	4050		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	852		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 95.5 % 48.2-134 4060722 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 111 % 49.1-148 4060722 MS 10-Jun-24 8015B

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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

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**

Chloride	1380		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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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

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**

Chloride	464		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>			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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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

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**

Chloride	160		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>			90.2 %		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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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

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**

Chloride	32.0		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	
DRO >C10-C28*	14.8		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

<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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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

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**

Chloride	8560		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

Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	<100		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
DRO >C10-C28*	28100		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	
EXT DRO >C28-C36	8650		100	mg/kg	10	4060722	MS	11-Jun-24	8015B	

Surrogate: 1-Chlorooctane 164 % 48.2-134 4060722 MS 11-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 841 % 49.1-148 4060722 MS 11-Jun-24 8015B

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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

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**

Chloride	3600		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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 118 % 48.2-134 4060722 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 108 % 49.1-148 4060722 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	1310		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) 85.8 % 71.5-134 4061003 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 100 % 48.2-134 4060722 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148 4060722 MS 10-Jun-24 8015B

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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

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**

Chloride	208		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)	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	

Surrogate: 1-Chlorooctane	91.0 %	48.2-134	4060722	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	85.8 %	49.1-148	4060722	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	160		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	
DRO >C10-C28*	42.8		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

<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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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

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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060722	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 105 % 48.2-134 4060722 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148 4060722 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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-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>			88.4 %	71.5-134		4061003	JH	10-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctane</i>			83.4 %	48.2-134		4060723	MS	10-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			74.7 %	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

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**

Chloride	1700		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

SP 30 @ 3'
H243260-76 (Soil)

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

Chloride	624		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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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

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**

Chloride	320		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	

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	
<i>Surrogate: 1-Chlorooctadecane</i>			64.3 %	49.1-148		4060723	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

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**

Chloride	400		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>			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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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

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**

Chloride	23600		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	

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	
DRO >C10-C28*	807		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	373		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			90.1 %		48.2-134	4060723	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			93.2 %		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

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**

Chloride	1040		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	

Surrogate: 4-Bromofluorobenzene (PID)	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	
DRO >C10-C28*	39.1	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane	81.7 %	48.2-134	4060723	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	77.4 %	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

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**

Chloride	960		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	

Surrogate: 4-Bromofluorobenzene (PID) 88.6 % 71.5-134 4061003 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 90.3 % 48.2-134 4060723 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148 4060723 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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-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>			88.4 %	71.5-134		4061003	JH	10-Jun-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctane</i>			81.1 %	48.2-134		4060723	MS	10-Jun-24	8015B	
<i>Surrogate: 1-Chlorooctadecane</i>			73.7 %	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

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**

Chloride	176		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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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

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**

Chloride	144		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	

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	66.0 %	48.2-134	4060723	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane	59.9 %	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

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**

Chloride	21600		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	

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*	109		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	98.8		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			80.0 %		48.2-134	4060723	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			74.3 %		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

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**

Chloride	2280		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	

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*	53.3		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	12.8		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			81.4 %	48.2-134		4060723	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			79.1 %	49.1-148		4060723	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	4800		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	

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134 4061004 JH 10-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane 81.2 % 48.2-134 4060723 MS 10-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148 4060723 MS 10-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

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**

Chloride	480		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	

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*	18.1		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060723	MS	10-Jun-24	8015B	

Surrogate: 1-Chlorooctane			86.6 %		48.2-134	4060723	MS	10-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			80.5 %		49.1-148	4060723	MS	10-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

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-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	

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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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

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**

Chloride	160		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

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**Blank (4061022-BLK1)**

Prepared & Analyzed: 10-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4061022-BS1)

Prepared & Analyzed: 10-Jun-24

Chloride	448	16.0	mg/kg	400	112	80-120
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LCS Dup (4061022-BSD1)

Prepared & Analyzed: 10-Jun-24

Chloride	432	16.0	mg/kg	400	108	80-120	3.64	20
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Batch 4061024 - 1:4 DI Water**Blank (4061024-BLK1)**

Prepared & Analyzed: 10-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4061024-BS1)

Prepared & Analyzed: 10-Jun-24

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (4061024-BSD1)

Prepared & Analyzed: 10-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120	3.77	20
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Batch 4061038 - 1:4 DI Water**Blank (4061038-BLK1)**

Prepared & Analyzed: 10-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4061038-BS1)

Prepared & Analyzed: 10-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120
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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

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**LCS Dup (4061038-BSD1)**

Prepared & Analyzed: 10-Jun-24

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 4061039 - 1:4 DI Water**Blank (4061039-BLK1)**

Prepared & Analyzed: 10-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4061039-BS1)

Prepared & Analyzed: 10-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (4061039-BSD1)

Prepared & Analyzed: 10-Jun-24

Chloride	400	16.0	mg/kg	400	100	80-120	3.92	20
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Batch 4061040 - 1:4 DI Water**Blank (4061040-BLK1)**

Prepared & Analyzed: 10-Jun-24

Chloride	ND	16.0	mg/kg
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LCS (4061040-BS1)

Prepared & Analyzed: 10-Jun-24

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (4061040-BSD1)

Prepared & Analyzed: 10-Jun-24

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 4061041 - 1:4 DI Water**Blank (4061041-BLK1)**

Prepared & Analyzed: 10-Jun-24

Chloride	ND	16.0	mg/kg
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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

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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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

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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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

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-BS1)

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-BS1)

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

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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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 4061003 - Volatiles**LCS (4061003-BS1)**

Prepared & Analyzed: 10-Jun-24

Benzene	1.83	0.050	mg/kg	2.00		91.7	82.8-130			
Toluene	1.84	0.050	mg/kg	2.00		92.1	86-128			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.4	85.9-128			
m,p-Xylene	3.74	0.100	mg/kg	4.00		93.5	89-129			
o-Xylene	1.83	0.050	mg/kg	2.00		91.3	86.1-125			
Total Xylenes	5.57	0.150	mg/kg	6.00		92.8	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0470		mg/kg	0.0500		94.0	71.5-134			

LCS Dup (4061003-BSD1)

Prepared & Analyzed: 10-Jun-24

Benzene	1.79	0.050	mg/kg	2.00		89.5	82.8-130	2.49	15.8	
Toluene	1.77	0.050	mg/kg	2.00		88.4	86-128	4.10	15.9	
Ethylbenzene	1.81	0.050	mg/kg	2.00		90.4	85.9-128	5.38	16	
m,p-Xylene	3.53	0.100	mg/kg	4.00		88.2	89-129	5.86	16.2	BS-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			

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%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		

LCS Dup (4061004-BSD1)

Prepared & Analyzed: 10-Jun-24

Benzene	2.06	0.050	mg/kg	2.00		103	82.8-130	4.27	15.8
Toluene	2.19	0.050	mg/kg	2.00		109	86-128	4.12	15.9
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	85.9-128	3.62	16
m,p-Xylene	4.52	0.100	mg/kg	4.00		113	89-129	2.98	16.2
o-Xylene	2.13	0.050	mg/kg	2.00		107	86.1-125	3.90	16.7
Total Xylenes	6.65	0.150	mg/kg	6.00		111	88.2-128	3.28	16.3
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134		

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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

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**Blank (4060719-BLK1)**

Prepared & Analyzed: 07-Jun-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.8		mg/kg	50.0		112	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			

LCS (4060719-BS1)

Prepared & Analyzed: 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-BS1)

Prepared & Analyzed: 07-Jun-24

GRO C6-C10	216	10.0	mg/kg	200		108	66.4-123	3.71	17.7	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	1.73	21	
Total TPH C6-C28	424	10.0	mg/kg	400		106	77.6-123	2.74	18.5	
Surrogate: 1-Chlorooctane	63.4		mg/kg	50.0		127	48.2-134			
Surrogate: 1-Chlorooctadecane	61.5		mg/kg	50.0		123	49.1-148			

Batch 4060720 - General Prep - Organics**Blank (4060720-BLK1)**

Prepared: 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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060720 - General Prep - Organics**LCS (4060720-BS1)**

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		

LCS Dup (4060720-BS1)

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**Blank (4060721-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	55.0		mg/kg	50.0		110	48.2-134		
Surrogate: 1-Chlorooctadecane	68.6		mg/kg	50.0		137	49.1-148		

LCS (4060721-BS1)

Prepared: 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, 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

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060723 - General Prep - Organics**Blank (4060723-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	53.8		mg/kg	50.0		108	48.2-134		
Surrogate: 1-Chlorooctadecane	49.4		mg/kg	50.0		98.8	49.1-148		

LCS (4060723-BS1)

Prepared: 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		

LCS Dup (4060723-BS1)

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**Blank (4061001-BLK1)**

Prepared & Analyzed: 10-Jun-24

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	58.4		mg/kg	50.0		117	48.2-134		
Surrogate: 1-Chlorooctadecane	60.1		mg/kg	50.0		120	49.1-148		

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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

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-BS1)

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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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10510

DATE:	REMARKS:
	* project name correction. per customer. subsequently 10-21-24

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

207/10

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 Project Owner: Oxy City: State: Zip:				P.O. #: Company: Oxy Attn: Address: City: State: Zip:			
Sample Name: SIMON RENDAN FOR LAB USE ONLY				Phone #: Fax #:			
Lab I.D. Sample I.D.				Matrix <input type="checkbox"/> (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
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'				DATE 5/30/24 9:47AM 5/30/24 10:10AM 5/30/24 10:24AM 5/30/24 10:38AM 5/30/24 10:53AM 5/30/24 11:12AM 5/30/24 11:26AM 5/30/24 11:42AM 5/30/24 11:56AM 5/30/24 12:12PM			
DATE				TIME			
SP 17 @ SURFACE SP 17 @ 1' SP 17 @ 2' SP 17 @ 3' SP 17 @ 4' SP 18 @ SURFACE SP 18 @ 1' 							



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

30710

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 10

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 Sample Name: SIMON RENDAN				P.O. #: Company: Oxy Attn: Address: City: State: Zip:			
FOR LAB USE ONLY Lab I.D.: Sample I.D.:				BILL TO ANALYSIS REQUEST			
PLEASE NOTE: Liability and Damages. Customer's liability and charges exclusive remedy for any claims arising within stated in contract or bill. 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 interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries, affiliates or subsidiaries, including but not of or related to the performance of services hereunder by Cardinal regardless of whether any claim is based upon any of the above stated versions or otherwise.							
Relinquished By: <i>[Signature]</i> Date: 6-6-24 Received By: <i>[Signature]</i> Date: 6-6-24 Delivered By: (Circle One) <i>[Signature]</i> Date: 6-6-24 Received By: <i>[Signature]</i> Date: 6-6-24 Sampler - UPS - Bus - Other: <i>[Signature]</i> Date: 6-6-24 Received By: <i>[Signature]</i> Date: 6-6-24				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 #: REMARKS:			
Matrix: (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				DATE TIME 5/30/24 2:52PM 5/30/24 3:03PM 5/30/24 3:14PM 5/30/24 3:22PM 5/30/24 3:35PM 5/31/24 9:25AM 5/31/24 9:43AM 5/31/24 10:07AM 5/31/24 10:23AM 5/31/24 10:39AM			
Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact Checked By: (Initials) <i>[Signature]</i>				Chloride BTEX IPHEXT			
Project name collection per customer. Scheduled 6/26/24							



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

505 10

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:															
Address: P.O. Box 805				Company: Oxy															
City: Hobbs				Attn:															
Phone #: 575-397-6388				Address:															
State: NM Zip: 88241																			
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)				City:															
Project Location: New Mexico				State:															
Zip:																			
Sample Name: SIMON RENDAN				Phone #:															
				Fax #:															
<small>FOR LAB USE ONLY</small>																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
11243200		SP 22@5'		GROUNDWATER				DATE		TIME		Chloride							
33		SP 23@SURFACE		WASTEWATER				5/31/24		10:52AM		BTEX							
34		SP 23@1'		SOIL				5/31/24		11:14AM		TPH EXT							
35		SP 23@2'		OIL				5/31/24		11:32AM									
36		SP 23@3'		SLUDGE				5/31/24		11:51AM									
37		SP 24@SURFACE		OTHER:				5/31/24		12:08PM									
38		SP 24@1'		ACID/BASE:				5/31/24		12:45PM									
39		SP 24@2'		ICE / COOL				5/31/24		1:06PM									
40		SP 24@3'		OTHER:				5/31/24		1:19PM									
41		SP 24@4'						5/31/24		1:36PM									
42								5/31/24		1:52PM									
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's recourse are limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																			
Relinquished By:				Date: 6-6-24 Received By:				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 #:											
Relinquished By:				Date: 6-6-24 Received By:				REMARKS:											
								Specified name collection, per customer. Stock inventory 10-26-24											
Delivered By: (Circle One)				Sample Condition				CHECKED BY:											
Sampler - UPS - Bus - Other:				Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>															

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

60510

Company Name: BBC International, Inc.		P.O. #:		BILL TO															
Project Manager: Cliff Brunson		Company: Oxy		ANALYSIS REQUEST															
Address: P.O. Box 805		Attn:																	
City: Hobbs		Address:																	
Phone #: 575-397-6388		City:																	
Fax #: 575-397-0397		State:																	
Project #:		Zip:																	
Project Owner: Oxy		Phone #:																	
Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)		Fax #:																	
Project Location: New Mexico		State:																	
Sample Name: SIMON RENDAN		Zip:																	
FOR LAB USE ONLY		PRESERV		SAMPLING															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		DATE		TIME		Chloride		BTX		IPHEXT	
SP 25@SURFACE		SP 25@1'		GROUNDWATER		WASTEWATER		SOIL		5/31/24		2:12PM		✓		✓		✓	
SP 25@2'		SP 25@3'		OIL		SLUDGE		OTHER :		5/31/24		2:26PM		✓		✓		✓	
SP 25@3'		SP 25@4'		ACID/BASE:		ICE / COOL		OTHER :		5/31/24		2:41PM		✓		✓		✓	
SP 25@4'		SP 25@5'		OTHER :						5/31/24		3:02PM		✓		✓		✓	
SP 26@SURFACE		SP 26@1'								5/31/24		3:14PM		✓		✓		✓	
SP 26@2'										5/31/24		3:29PM		✓		✓		✓	
										5/31/24		9:30AM		✓		✓		✓	
										6/3/24		9:46AM		✓		✓		✓	
										6/3/24		10:02AM		✓		✓		✓	
										6/3/24		10:23AM		✓		✓		✓	

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Relinquished By: <i>[Signature]</i>	Date: 6-6-24	Received By: <i>[Signature]</i>	Date: 6-6-24
Relinquished By: <i>[Signature]</i>	Date: 6-6-24	Received By: <i>[Signature]</i>	Date: 6-6-24
Delivered By: (Circle One) <i>UPS</i>	Time: 10:51	Sample Condition: <i>APACAO</i>	CHECKED BY: (Initials) <i>AP</i>
Sampler - UPS - Bus - Other:	Time: 14:00	Cool Intact: <i>Yes</i>	Sample Condition: <i>Yes</i>

*project name correction, per customer. Specimens use 24

*NO sample #47. dup marked on c.c. -customer notified. Specimens use 24

*NO sample #47. NO sample *8267.24

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**CARDINAL LABORATORIES**
 101 East Marland, Hobbs, NM 88240
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7/26/10

 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

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

11243246

SP 26@3'

SP 26@4'

SP 26@5'

SP 27@SURFACE

SP 27@1'

SP 27@2'

SP 27@3'

SP 27@4'

SP 27@5'

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

SP 28@SURFACE

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Relinquished By:

Date: 6-6-24

Time: 8:10 AM

Received By:

Date: 6-6-24

Time: 1:05 PM

Signature:

Relinquished By:

Date: 6-6-24

Time: 8:10 AM

Received By:

Date: 6-6-24

Time: 1:05 PM

Signature:

Relinquished By:

Date: 6-6-24

Time: 8:10 AM

Received By:

Date: 6-6-24

Time: 1:05 PM

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Relinquished By:

Date: 6-6-24

Time: 8:10 AM

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Relinquished By:

Date: 6-6-24

Time: 8:10 AM

Received By:

Date: 6-6-24

Time: 1:05 PM

Signature:

Relinquished By:

Date: 6-6-24

Time: 8:10 AM

Received By:

Date: 6-6-24

Time: 1:05 PM

Signature:

BILL TO**ANALYSIS REQUEST**

P.O. #:

Company: Oxy

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Date:

Time:

Signature:

Date:

Time:

Signature:

Date:

Time:

Signature:

Date:

Time:

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Time:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

8410

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST										
Project Manager: Cliff Brunson		P.O. #:												
Address: P.O. Box 805		Company: Oxy												
City: Hobbs		Attn:												
Phone #: 575-397-6388		Address:												
State: NM Zip: 88241														
Fax #: 575-397-0397														
Project #:		City:												
Project Owner: Oxy		State:												
Project Name: CEDAR CANYON WTF (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24)		Zip:												
Project Location: New Mexico		Phone #:												
Sample Name: SIMON RENDAN		Fax #:												
FOR LAB USE ONLY														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING							
				GROUNDWATER										
				WASTEWATER										
				SOIL										
				OIL										
				SLUDGE										
				OTHER :										
				ACID/BASE:										
				ICE / COOL										
				OTHER :										
					DATE	TIME								
11213200	SP 28@1'		6/3/24	1:34PM										
113	SP 28@2'		6/3/24	1:52PM										
114	SP 28@3'		6/3/24	2:05PM										
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:		Date: 6-6-24		Received By:		Date: 6-6-24		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:						
Relinquished By:		Time: 8:00 AM		Received By:		Time: 10:51		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:						
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		REMARKS:								
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>								

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

9/26/10

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST							
Project Manager: Cliff Brunson				P.O. #:											
Address: P.O. Box 805				Company: Oxy											
City: Hobbs				Attn:											
State: NM Zip: 88241				Address:											
Phone #: 575-397-6388 Fax #: 575-397-0397				City:											
Project #:				State:											
Project Name: CEDAR CANYON WTE (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															
<small>FOR LAB USE ONLY</small>															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING			
H243260		SP 30@SURFACE		G1		1		GROUNDWATER				DATE			
713		SP 30@1'						WASTEWATER				TIME			
714		SP 30@2'						SOIL				6/4/24 10:12AM			
715		SP 30@3'						OIL				6/4/24 10:26AM			
716		SP 30@4'						SLUDGE				6/4/24 10:41AM			
717		SP 30@5'						OTHER :				6/4/24 10:56AM			
718		SP 31@SURFACE						ACID/BASE:				6/4/24 11:12AM			
719		SP 31@1'						ICE / COOL				6/4/24 11:24AM			
81		SP 31@2'						OTHER :				6/4/24 11:38AM			
82		SP 31@3'										6/4/24 12:45PM			
												6/4/24 1:10PM			
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Relinquished By: [Signature]				Date: 6-6-24				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
Time: 8:00AM				Date: 6-6-24				Received By: [Signature]				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:			
Relinquished By: [Signature]				Time: 11:51				Delivered By: [Signature]				REMARKS:			
Delivered By: (Circle One)				Time: 14:00				Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No				* project name correction per customer. scheduled 6-26-24			
Sampler - UPS - Bus - Other:				Checked By: [Signature]				Checked By: (Initials)							

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

106110
EST

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 WTE (7/15/22, 7/22/22, 8/25/22, 2/25/23, 3/6/24) Project Location: New Mexico Sample Name: SIMON RENDAN				P.O. #: Company: Oxy Attn: Address: City: State: Zip:			
FOR LAB USE ONLY				BILL TO			
Lab I.D. H243202		Sample I.D.		Matrix (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		Preserv DATE TIME	
SP 31@4' SP 31@5' SP 32@SURFACE SP 32@1' SP 32@2' SP 32@3' SP 32@4' SP 32@5'		6/4/24 6/4/24 6/4/24 6/4/24 6/4/24 6/4/24 6/4/24 6/4/24		1:27PM 1:46PM 2:08PM 2:21PM 2:40PM 3:02PM 3:17PM 3:29PM		Chloride BTEX TPHEXT	
PLEASE NOTE: Liability and Damages. Customer's liability and damage recovery for any claim arising within the period of time 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 asserted against the client within 30 days after completion of the applicable service. In no event shall the client be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by T. Carson. Reproduction of sample and/or claim is based upon 90% of the above stated analysis or otherwise.				Relinquished By: Date: 6-6-24 Received By: [Signature] Time: 8:00 AM			
Relinquished By: Date: 6-6-24 Received By: [Signature] Time: 8:00 AM				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 #:			
Delivered By: (Circle One) <u>140</u> Sampler - UPS - Bus - Other:				REMARKS: Project name correction per customer. Spedigness			

Page 119 of 119



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

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.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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, 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 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	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)

BTX 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	07/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	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

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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, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/03/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		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

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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

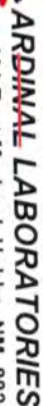
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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.

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

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

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

Cardinal Laboratories

* = Accredited Analyte

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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

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**

Chloride	48.0		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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071809	MS	18-Jul-24	8015B	

Surrogate: 1-Chlorooctane 88.0 % 48.2-134 4071809 MS 18-Jul-24 8015B

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148 4071809 MS 18-Jul-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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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

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-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)			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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*=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: 7/18/22,7/22/22,8/25/22,2/25/23,;
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Jul-24 15:25

BOUNDARY 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-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)			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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*=Accredited Analyte

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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

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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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

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-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)			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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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

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-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)			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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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

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-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)			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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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

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-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)	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

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-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) 127 % 71.5-134 4071808 JH 18-Jul-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	

Surrogate: 1-Chlorooctane 100 % 48.2-134 4071810 ms 18-Jul-24 8015B

Surrogate: 1-Chlorooctadecane 100 % 49.1-148 4071810 ms 18-Jul-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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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

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-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)			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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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

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-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)			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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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

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**

Chloride	64.0		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)		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	

Surrogate: 1-Chlorooctane		89.3 %		48.2-134		4071810	ms	18-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane		89.4 %		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

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-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)			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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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

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-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) 125 % 71.5-134 4071808 JH 18-Jul-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071810	ms	18-Jul-24	8015B	

Surrogate: 1-Chlorooctane 96.4 % 48.2-134 4071810 ms 18-Jul-24 8015B

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148 4071810 ms 18-Jul-24 8015B

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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

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-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)			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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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

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**

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	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)			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	

Surrogate: 1-Chlorooctane			100 %		48.2-134	4071810	ms	18-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			103 %		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

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-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	

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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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

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-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	

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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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

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-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	

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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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

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**

Chloride	64.0		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	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)			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	

Surrogate: 1-Chlorooctane			75.3 %		48.2-134	4071734	MS	18-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			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

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

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4071734	MS	18-Jul-24	8015B	

Surrogate: 1-Chlorooctane 120 % 48.2-134 4071734 MS 18-Jul-24 8015B

Surrogate: 1-Chlorooctadecane 129 % 49.1-148 4071734 MS 18-Jul-24 8015B

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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

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**

Chloride	64.0		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	

Surrogate: 4-Bromofluorobenzene (PID)			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	

Surrogate: 1-Chlorooctane			116 %		48.2-134	4071734	MS	18-Jul-24	8015B	
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Surrogate: 1-Chlorooctadecane			128 %		49.1-148	4071734	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

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**Blank (4071903-BLK1)**

Prepared & Analyzed: 19-Jul-24

Chloride	ND	16.0	mg/kg
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LCS (4071903-BS1)

Prepared & Analyzed: 19-Jul-24

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (4071903-BSD1)

Prepared & Analyzed: 19-Jul-24

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 4071905 - 1:4 DI Water**Blank (4071905-BLK1)**

Prepared & Analyzed: 19-Jul-24

Chloride	ND	16.0	mg/kg
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LCS (4071905-BS1)

Prepared & Analyzed: 19-Jul-24

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (4071905-BSD1)

Prepared & Analyzed: 19-Jul-24

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Batch 4071910 - 1:4 DI Water**Blank (4071910-BLK1)**

Prepared & Analyzed: 19-Jul-24

Chloride	ND	16.0	mg/kg
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LCS (4071910-BS1)

Prepared & Analyzed: 19-Jul-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: 7/18/22,7/22/22,8/25/22,2/25/23,;
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Jul-24 15:25

Inorganic Compounds - Quality Control**Cardinal Laboratories**

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

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-BS1)

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

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

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4071734 - General Prep - Organics**Blank (4071734-BLK1)**

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		

LCS (4071734-BS1)

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		

LCS Dup (4071734-BS1)

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**Blank (4071809-BLK1)**

Prepared & Analyzed: 18-Jul-24

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	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

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

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

Batch 4071809 - General Prep - Organics**LCS (4071809-BS1)**

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			

LCS Dup (4071809-BS1)

Prepared & Analyzed: 18-Jul-24

GRO C6-C10	186	10.0	mg/kg	200		93.0	66.4-123	1.48	17.7	
DRO >C10-C28	196	10.0	mg/kg	200		97.8	66.5-118	2.18	21	
Total TPH C6-C28	382	10.0	mg/kg	400		95.4	77.6-123	1.84	18.5	
Surrogate: 1-Chlorooctane	60.4		mg/kg	50.0		121	48.2-134			
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	49.1-148			

Batch 4071810 - General Prep - Organics**Blank (4071810-BLK1)**

Prepared & Analyzed: 18-Jul-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.9		mg/kg	50.0		108	48.2-134			
Surrogate: 1-Chlorooctadecane	55.5		mg/kg	50.0		111	49.1-148			

LCS (4071810-BS1)

Prepared & 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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Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
23-Jul-24 15:25

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

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

Batch 4071810 - General Prep - Organics**LCS Dup (4071810-BSD1)**

Prepared & Analyzed: 18-Jul-24

GRO C6-C10	191	10.0	mg/kg	200		95.5	66.4-123	2.27	17.7	
DRO >C10-C28	175	10.0	mg/kg	200		87.6	66.5-118	0.178	21	
Total TPH C6-C28	366	10.0	mg/kg	400		91.5	77.6-123	1.27	18.5	
Surrogate: 1-Chlorooctane	53.7		mg/kg	50.0		107	48.2-134			
Surrogate: 1-Chlorooctadecane	57.3		mg/kg	50.0		115	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

State: NM Zip: 88241
Fax #: 575-397-0397

Project # 4 Cedar Canyon, Project Owner: Oxy

Project Name: SAND DUNES - CORRIDOR - WTR POLISH CTB (2/24/24)

Project Location: New Mexico

Sample Name: CLIFF BRUNSON

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

ANALYSIS REQUEST

FOR LAB USE ONLY		MATRIX		PRESERV	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	PHEN	Chlor										
1224220	BOUNDARY 1@1'	G											7/16/24	9:30AM	✓	✓	✓										
	BOUNDARY 2@1'												7/16/24	9:40AM	✓	✓	✓										
	BOUNDARY 3@1'												7/16/24	9:45AM	✓	✓	✓										
	BOUNDARY 4@1'												7/16/24	9:51AM	✓	✓	✓										
	BOUNDARY 5@1'												7/16/24	9:58AM	✓	✓	✓										
	BOUNDARY 6@1'												7/16/24	10:05AM	✓	✓	✓										
	BOUNDARY 7@1'												7/16/24	10:10AM	✓	✓	✓										
	BOUNDARY 8@1'												7/16/24	10:16AM	✓	✓	✓										
	BOUNDARY 9@1'												7/16/24	10:20AM	✓	✓	✓										
	BOUNDARY 10@1'												7/16/24	10:26AM	✓	✓	✓										

PLEASE NOTE: Liability and Disputes: Contractor's liability and owner's exclusive remedy for any claim arising hereunder based in contract or tort, shall be limited to the amount paid by the client for this analysis. All claims, including those for negligence and any other claims, shall be barred by the statute of limitations.

PLEASE NOTE: Liability and Damages: Cardinal's liability and extent's exclusive remedy for any claim arising out of this 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 loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based on contract or tort, and of the above stated limitations or otherwise.

Relinquished By: <i>[Signature]</i>	Date: 7-18-24	Received By: <i>[Signature]</i>	Date: 7-18-24
Relinquished By: <i>[Signature]</i>	Time: 8:00 AM	Received By: <i>[Signature]</i>	Time: 8:00 AM
Delivered By: (Circle One) <i>[Signature]</i>	Time: 8:00	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) <i>[Signature]</i>
Sampler - UPS - Bus - Other: <i>[Signature]</i>	-10.0 <i>[Signature]</i>		

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sample Name:

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Oxy

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	Chloride	BTEX	TPHEX								
11	BOUNDARY 11@1'			GROUNDWATER			7/16/24	10:32AM	✓	✓	✓								
12	BOUNDARY 12@1'			WASTEWATER			7/16/24	10:40AM	✓	✓	✓								
13	BOUNDARY 13@1'			SOIL			7/16/24	10:45AM	✓	✓	✓								
14	BOUNDARY 14@1'			OIL			7/16/24	10:52AM	✓	✓	✓								
15	BOUNDARY 15@1'			SLUDGE			7/16/24	10:57AM	✓	✓	✓								
16	BOUNDARY 16@1'			OTHER :			7/16/24	11:10AM	✓	✓	✓								
17	BOUNDARY 17@1'			ACID/BASE:			7/16/24	11:20AM	✓	✓	✓								
18	BOUNDARY 18@1'			ICE / COOL			7/16/24	11:30AM	✓	✓	✓								
19	BOUNDARY 19@1'			OTHER :			7/16/24	11:40AM	✓	✓	✓								
20	BOUNDARY 20@1'						7/16/24	11:51AM	✓	✓	✓								

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Relinquished By:	Date: 7/18/24	Received By:	Date: 7/18/24	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 7/18/24	Received By:	Date: 7/18/24	Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: 8:00	Time: 8:00	Time: 8:00	REMARKS:			
Sampler - UPS - Bus - Other:	#150	#150	#150	* Customer requested change of Name & Spill Site Data changes. 7/23/24			
Sample Condition	Cool	Intact	Checked BY: (Initials)				
<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes				
<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No				

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 35 of 35

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.

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

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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. 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

SS 01 0.5'
H250463-01 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	5012819	HM	28-Jan-25	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5012719	JH	27-Jan-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5012719	JH	27-Jan-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	125 %	71.5-134	5012719	JH	27-Jan-25	8021B	
---------------------------------------	-------	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	

Surrogate: 1-Chlorooctane	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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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:

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

SS 02 0.5'
H250463-02 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	288		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)			123 %	71.5-134		5012719	JH	27-Jan-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctane			97.4 %	48.2-134		5012721	MS	28-Jan-25	8015B	
Surrogate: 1-Chlorooctadecane			98.4 %	49.1-148		5012721	MS	28-Jan-25	8015B	

Cardinal Laboratories

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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

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-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	
---------------------------------------	-------	----------	---------	----	-----------	-------	--

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



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

SS 04 0.5'
H250463-04 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	5012822	KV	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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			122 %		71.5-134	5012719	JH	27-Jan-25	8021B	
--	--	--	-------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5012721	MS	28-Jan-25	8015B	

<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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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:

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

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**

Chloride	64.0		16.0	mg/kg	4	5012822	KV	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)			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	

Surrogate: 1-Chlorooctane			102 %	48.2-134		5012721	MS	28-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		5012721	MS	28-Jan-25	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:

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

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**

Chloride	144		16.0	mg/kg	4	5012822	KV	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	

<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



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

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**

Chloride	128		16.0	mg/kg	4	5012822	KV	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	

<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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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

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**

Chloride	304		16.0	mg/kg	4	5012822	KV	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)	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	

Surrogate: 1-Chlorooctane	106 %	48.2-134	5012721	MS	28-Jan-25	8015B	
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Surrogate: 1-Chlorooctadecane	104 %	49.1-148	5012721	MS	28-Jan-25	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:

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

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 5012819 - 1:4 DI Water**Blank (5012819-BLK1)**

Prepared & Analyzed: 28-Jan-25

Chloride	ND	16.0	mg/kg						
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LCS (5012819-BS1)

Prepared & Analyzed: 28-Jan-25

Chloride	432	16.0	mg/kg	400	108	80-120			
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LCS Dup (5012819-BSD1)

Prepared & Analyzed: 28-Jan-25

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20	
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Batch 5012822 - 1:4 DI Water**Blank (5012822-BLK1)**

Prepared & Analyzed: 28-Jan-25

Chloride	ND	16.0	mg/kg						
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LCS (5012822-BS1)

Prepared & Analyzed: 28-Jan-25

Chloride	416	16.0	mg/kg	400	104	80-120			
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LCS Dup (5012822-BSD1)

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

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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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

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**Blank (5012721-BLK1)**

Prepared & Analyzed: 27-Jan-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	48.2-134			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0		102	49.1-148			

LCS (5012721-BS1)

Prepared & Analyzed: 27-Jan-25

GRO C6-C10	189	10.0	mg/kg	200		94.6	81.5-123			
DRO >C10-C28	197	10.0	mg/kg	200		98.4	77.7-122			
Total TPH C6-C28	386	10.0	mg/kg	400		96.5	80.9-121			
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	49.1-148			

LCS Dup (5012721-BSD1)

Prepared & Analyzed: 27-Jan-25

GRO C6-C10	232	10.0	mg/kg	200		116	81.5-123	20.5	13	QR-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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Celey D. Keene, Lab Director/Quality Manager



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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. Marientfield St. STE 400

City: Midland

Phone #: 432-557-8895

State: TX

Zip: 79701

Fax #:

Project #:

Project Name:

Project Location:

Sample Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Sample Depth (feet)

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Oxy USA, Inc.

Attn: Wade Dittich

Address:

City:

State:

Zip:

Phone #:

Fax #:

PRESERV

SAMPLING

DATE

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

General Information
Phone: (505) 629-6116

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

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

Prerequisites	
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

Location of Release Source

Please answer all the questions in this group.

Site Name	CEDAR CANYON WTR TREATMENT FAC
Date Release Discovered	03/06/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure 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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Oil Conservation Division
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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

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

Initial Response

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/07/2025
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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	
<i>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.</i>	
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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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 ½ 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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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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)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/07/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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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

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

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QUESTIONS, Page 6

Action 429735

QUESTIONS (continued)

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	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.}

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