



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805  
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## DELINEATION/REMEDATION WORKPLAN

### OXY – CORRAL CANYON 36-25 CTB (Leak Date: 1/22/19)

**Incident ID: NAB1903659101**

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAB1903659101.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. Potentially other pertinent information as necessary for site specific purposes.

***Based on the information included in this package and the NMOCD rules, the following remediation is proposed:***

***OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 – SP3 (LIGHT BLUE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP4 (PINK shade on diagram) will be excavated to a depth of 5 feet. The leak area near SP5 (YELLOW shade on diagram) will be excavated to a depth of 3 feet.***

***OXY requests to collect bottom and sidewall confirmation samples every 200 square feet. The estimated amount of soil to be excavated is 411 cubic yards. The remediation will be completed within 90 days of approval.***

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate agency or private surface owner.  
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NAB1903659101
District RP	
Facility ID	
Application ID	

**Site Assessment/Characterization***This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	264 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

State of New Mexico  
Oil Conservation Division

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Incident ID	NAB1903659101
District RP	
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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.

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 5-19-21email: wade\_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Form C-141

State of New Mexico  
Oil Conservation Division

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Incident ID	NAB1903659101
District RP	
Facility ID	
Application ID	

## Remediation Plan


**Remediation Plan Checklist:** Each of the following items must be included in the plan.

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: Wade Dittrich Title: Environmental Coordinator  
Signature:  Date: 5-19-21  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828


**OCD Only**Received by: Chad Hensley Date: 07/06/2021☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature:  Date: 07/26/2021





# Oxy Corral Canyon 36-25 CTB


Leak Date: 1-22-19  
Eddy County, NM  
Incident ID: NAB1903659101


Legend

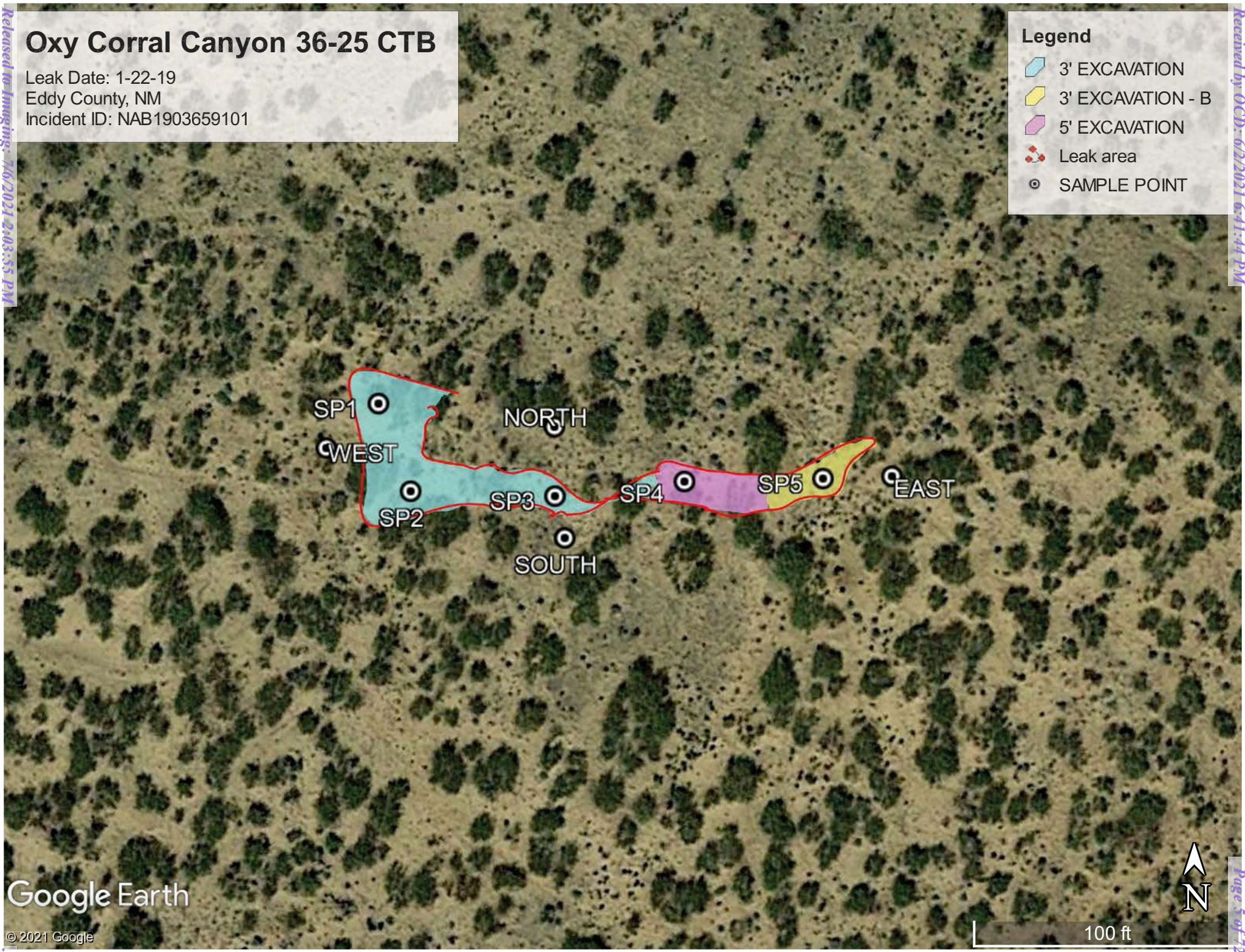
 3' EXCAVATION

 3' EXCAVATION - B

 5' EXCAVATION

 Leak area

 SAMPLE POINT







SAMPLE POINTS – CORRAL CANYON 36-25 CTB(1-22-19)

SP1 N 32.158984° W-103.938412°

SP2 N 32.158894° W-103.938373°

SP3 N 32.158889° W-103.938198°

SP4 N 32.158904° W-103.938041°

SP5 N 32.158907° W-103.937873°

SP N N 32.158960° W-103.938199°

SP E N 32.158909° W-103.937789°

SP W N 32.158938° W-103.938475°

SP S N 32.158846° W-103.938186°



Laboratory Analytical Results Summary  
Oxy, CORRAL CANYON 36-25( 1-22-19)

		Sample ID	SP N @ SURFACE	SP E @ SURFACE	SP W @ SURFACE	SP S @ SURFACE
Analyte	Method	Date	4/29/21	4/30/21	5/1/21	5/2/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		64.0	96.0	192.0	256.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	4/29/21	4/30/21	5/1/21	5/2/21	5/3/21	5/4/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.059	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		1.59	0.124	0.064	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.931	<0.050	1.24	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		8.8	4.11	0.202	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		11.4	4.23	1.51	<16.0	N/A	N/A
Chloride	SM4500Cl-B		16.0	<16.0	<16.0	403.0	32.0	32.0
GRO	TPH 8015M		264	107	32.9	<10.0	N/A	N/A
DRO	TPH 8015M		30100	1580	1740	81.2	N/A	N/A
EXT DRO	TPH 8015M		5370	204	232	<10.0	N/A	N/A

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	4/29/21	4/30/21	5/1/21	5/2/21	5/3/21	5/4/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.405	1.19	0.6	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.319	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		2.71	16.2	9.33	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		3.43	17.4	9.93	<0.300	N/A	N/A
Chloride	SM4500Cl-B		16.0	32.0	96.0	16.0	32.0	48.0
GRO	TPH 8015M		108	529	353	<10.0	N/A	N/A
DRO	TPH 8015M		38300	3160	2990	69.5	N/A	N/A
EXT DRO	TPH 8015M		7560	311	313	<10.0	N/A	N/A

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
Analyte	Method	Date	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.238	0.701	0.283	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.167	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		1.48	12.6	6.23	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		1.88	13.3	6.51	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	32.0	16.0	32.0	32.0	32.0	16.0
GRO	TPH 8015M		59.7	643	268	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		40100	5730	3170	85.5	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		8340	638	359	<10.0	<10.0	<10.0	<10.0

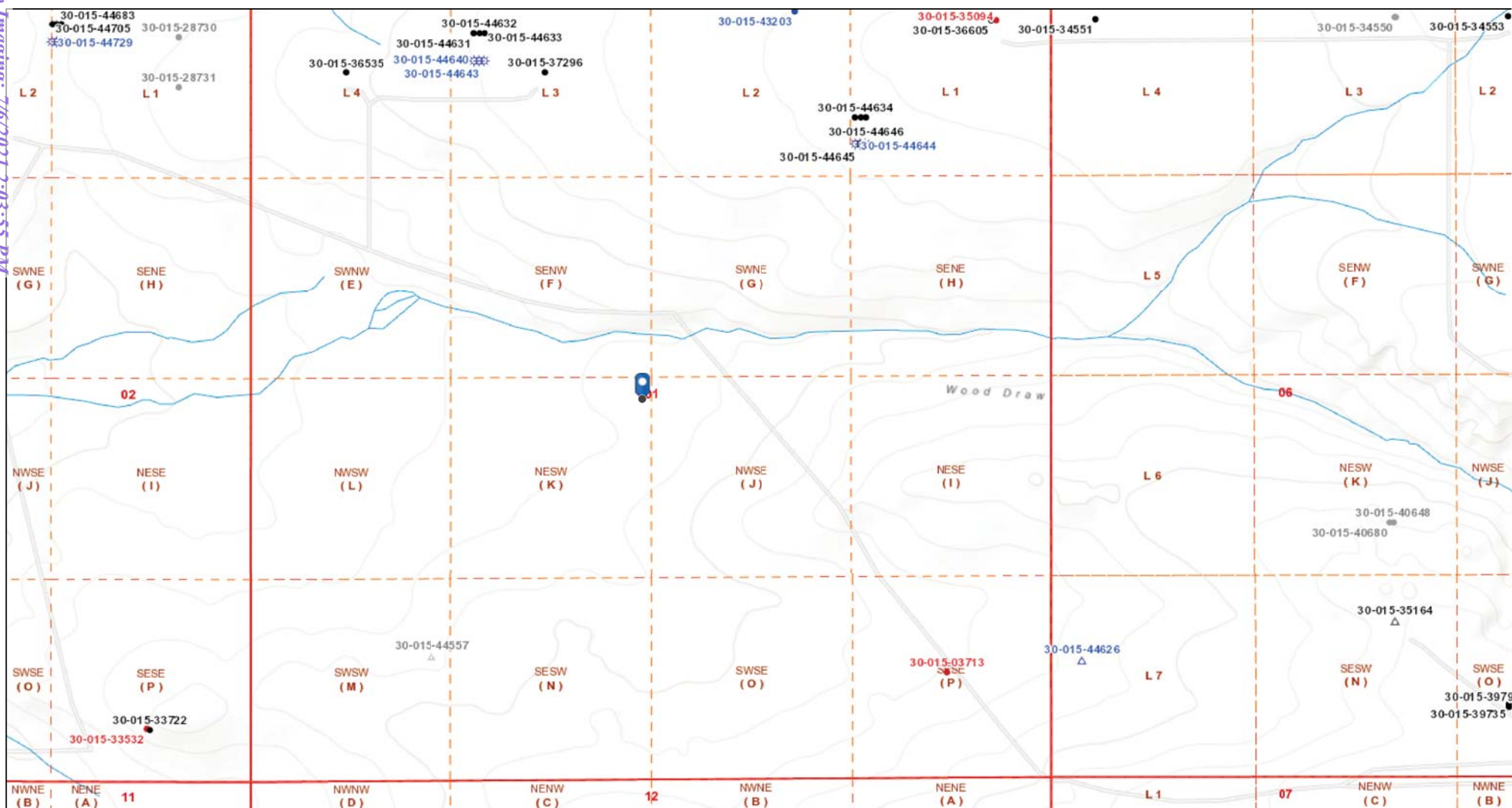


Laboratory Analytical Results Summary  
Oxy, CORRAL CANYON 36-25( 1-22-19)

		Sample ID	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'
Analyte	Method	Date	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<b>0.34</b>	<b>0.32</b>	<b>0.187</b>	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<b>0.069</b>	<b>3.22</b>	<0.050	<b>2.82</b>	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<b>1.12</b>	<b>5.99</b>	<b>1.35</b>	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<b>4.68</b>	<b>6.31</b>	<b>4.36</b>	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<b>32.0</b>	<b>16.0</b>	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<b>139</b>	<b>337</b>	<b>198</b>	<b>12.8</b>	<10.0	<10.0
DRO	TPH 8015M		<b>12700</b>	<b>2950</b>	<b>6080</b>	<b>5160</b>	<b>863</b>	<10.0	<10.0
EXT DRO	TPH 8015M		<b>3090</b>	<b>542</b>	<b>1040</b>	<b>907</b>	<b>164</b>	<10.0	<10.0

		Sample ID	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
Analyte	Method	Date	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21	4/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<b>0.054</b>	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<b>0.076</b>	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<b>0.926</b>	<b>0.341</b>	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<b>1.06</b>	<b>0.341</b>	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		< <b>16.0</b>	<b>64.0</b>	<b>80.0</b>	<b>48.0</b>	<b>16.0</b>	<b>16.0</b>
GRO	TPH 8015M		<b>87.2</b>	<b>22.1</b>	<b>11.1</b>	<10.0	<10.0	<10.0
DRO	TPH 8015M		<b>13200</b>	<b>921</b>	<b>522</b>	<b>59.3</b>	<10.0	<10.0
EXT DRO	TPH 8015M		<b>4570</b>	<b>198</b>	<b>114</b>	<b>10.7</b>	<10.0	<10.0

# Corral Canyon 36-25 CTB, Topo Map with Water Features



1/29/2019 12:45:25 PM

Well Locations - Small Scale

- Active
- New
- Plugged
- Cancelled
- Temporarily Abandoned

Well Locations - Large Scale

- Miscellaneous
- CO2 Active
- CO2 Cancelled
- CO2 New
- CO2 Plugged
- CO2 Temporarily Abandoned

Gas Active

- Gas, Cancelled, Never Drilled
- Gas, New
- Gas, Plugged
- Gas, Temporarily Abandoned
- Injection, Active

Injection, Cancelled

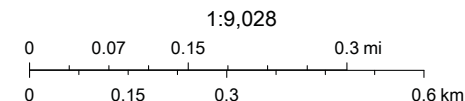
- Injection, New
- Injection, Plugged
- Injection, Temporarily Abandoned

Oil, New

- Oil, Plugged
- Oil, Temporarily Abandoned
- Salt Water Injection, Active
- Salt Water Injection, Cancelled
- Salt Water Injection, New

Salt Water Injection, Plugged

- Salt Water Injection Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, OCD, BLM





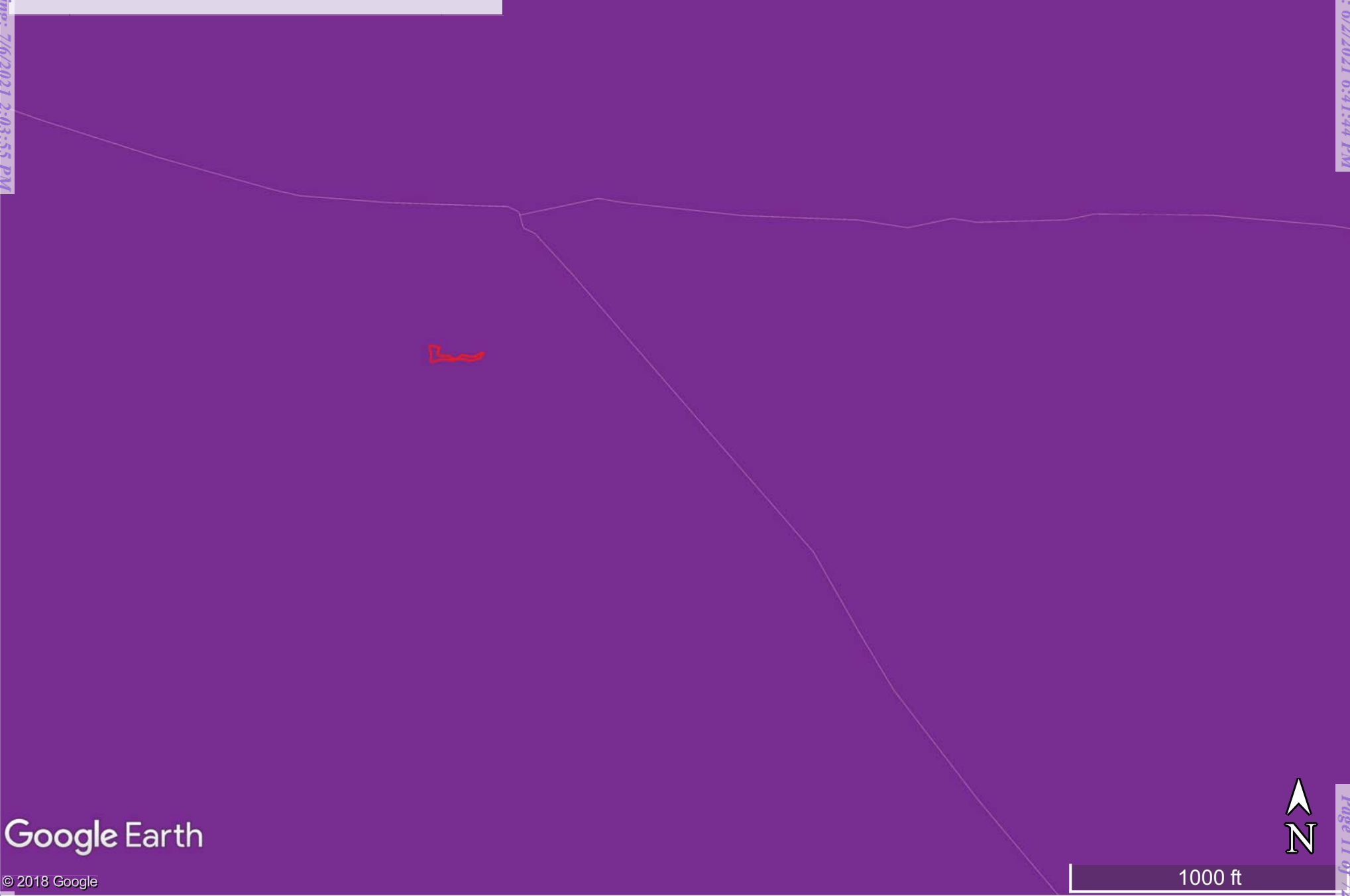
# Oxy, Corral Canyon 36-25 CTB

Leak date: 1/22/19  
Eddy County, NM  
2RP-5221

## BLM CAVE KARST MAP

### Legend

-  Leak area
-  Low potential



# National Flood Hazard Layer FIRMette



### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
		Future Conditions 1% Annual Chance Flood Hazard
		Area with Reduced Flood Risk due to Levee. See Notes.
		Area with Flood Risk due to Levee
OTHER AREAS		Area of Minimal Flood Hazard
		Effective LOMRs
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/22/2019 at 12:33:50 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Retrieved from Imagery: 7/6/2021 2:03:55 PM  
MASC 0605:00P

Received by OCD: 6/28/2021 6:41:44 PM

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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

New Mexico

GO

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- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 320857103553301

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

USGS 320857103553301 25S.30E.07.112331

Eddy County, New Mexico  
Latitude 32°08'57", Longitude 103°55'33" NAD27  
Land-surface elevation 3,169 feet above NAVD88  
The depth of the well is 385 feet below land surface.  
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1959-02-05		D	263.63				2		U	
1959-03-07		D	263.30				2		U	
1987-10-20		D	264.25				2		U	
1992-11-06		D	263				0		S	
1998-01-28		D	264.12				2		V	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	0	Water level accuracy to nearest foot
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Method of measurement	V	Calibrated electric-tape measurement.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-07-22 12:22:35 EDT

0.48 0.45 nadww02





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

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May 12, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CORRAL CANYON 36-25 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/03/21 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

Method EPA 552.2	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".

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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP N @ SURFACE	H211125-01	Soil	29-Apr-21 10:05	03-May-21 16:30
SP E @ SURFACE	H211125-02	Soil	29-Apr-21 10:16	03-May-21 16:30
SP W @ SURFACE	H211125-03	Soil	29-Apr-21 10:33	03-May-21 16:30
SP S @ SURFACE	H211125-04	Soil	29-Apr-21 10:47	03-May-21 16:30
SP 1 @ SURFACE	H211125-05	Soil	29-Apr-21 11:12	03-May-21 16:30
SP 1 @ 1'	H211125-06	Soil	29-Apr-21 11:21	03-May-21 16:30
SP 1 @ 2'	H211125-07	Soil	29-Apr-21 11:33	03-May-21 16:30
SP 1 @ 3'	H211125-08	Soil	29-Apr-21 11:47	03-May-21 16:30
SP 1 @ 4'	H211125-09	Soil	29-Apr-21 12:07	03-May-21 16:30
SP 1 @ 5'	H211125-10	Soil	29-Apr-21 12:45	03-May-21 16:30
SP 2 @ SURFACE	H211125-11	Soil	29-Apr-21 12:54	03-May-21 16:30
SP 2 @ 1'	H211125-12	Soil	29-Apr-21 13:09	03-May-21 16:30
SP 2 @ 2'	H211125-13	Soil	29-Apr-21 13:18	03-May-21 16:30
SP 2 @ 3'	H211125-14	Soil	29-Apr-21 13:30	03-May-21 16:30
SP 2 @ 4'	H211125-15	Soil	29-Apr-21 13:44	03-May-21 16:30
SP 2 @ 5'	H211125-16	Soil	29-Apr-21 13:53	03-May-21 16:30
SP 3 @ SURFACE	H211125-17	Soil	30-Apr-21 09:45	03-May-21 16:30
SP 3 @ 1'	H211125-18	Soil	30-Apr-21 09:57	03-May-21 16:30
SP 3 @ 2'	H211125-19	Soil	30-Apr-21 10:14	03-May-21 16:30
SP 3 @ 3'	H211125-20	Soil	30-Apr-21 10:26	03-May-21 16:30
SP 3 @ 4'	H211125-21	Soil	30-Apr-21 10:47	03-May-21 16:30
SP 3 @ 5'	H211125-22	Soil	30-Apr-21 11:08	03-May-21 16:30
SP 3 @ 6'	H211125-23	Soil	30-Apr-21 11:19	03-May-21 16:30
SP 4 @ SURFACE	H211125-24	Soil	30-Apr-21 11:30	03-May-21 16:30
SP 4 @ 1'	H211125-25	Soil	30-Apr-21 11:38	03-May-21 16:30
SP 4 @ 2'	H211125-26	Soil	30-Apr-21 11:51	03-May-21 16:30
SP 4 @ 3'	H211125-27	Soil	30-Apr-21 12:46	03-May-21 16:30

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

SP 4 @ 4'	H211125-28	Soil	30-Apr-21 12:54	03-May-21 16:30
SP 4 @ 5'	H211125-29	Soil	30-Apr-21 13:04	03-May-21 16:30
SP 4 @ 6'	H211125-30	Soil	30-Apr-21 13:15	03-May-21 16:30
SP 5 @ SURFACE	H211125-31	Soil	30-Apr-21 13:23	03-May-21 16:30
SP 5 @ 1'	H211125-32	Soil	30-Apr-21 13:30	03-May-21 16:30
SP 5 @ 2'	H211125-33	Soil	30-Apr-21 13:41	03-May-21 16:30
SP 5 @ 3'	H211125-34	Soil	30-Apr-21 13:50	03-May-21 16:30
SP 5 @ 4'	H211125-35	Soil	30-Apr-21 14:03	03-May-21 16:30
SP 5 @ 5'	H211125-36	Soil	30-Apr-21 14:14	03-May-21 16:30

05/12/21 - Client added BTEX and TPH to samples -29 and -30. This is the revised report and will replace the one sent on 05/06/21.

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP N @ SURFACE**  
**H211125-01 (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	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140 1050401 MS 04-May-21 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

Surrogate: 1-Chlorooctane 84.6 % 44.3-133 1050403 MS 04-May-21 8015B

Surrogate: 1-Chlorooctadecane 90.2 % 38.9-142 1050403 MS 04-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP E @ SURFACE****H211125-02 (Soil)**

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

Chloride	96.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.9-140 1050401 MS 04-May-21 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

Surrogate: 1-Chlorooctane 82.7 % 44.3-133 1050403 MS 04-May-21 8015B

Surrogate: 1-Chlorooctadecane 88.6 % 38.9-142 1050403 MS 04-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP W @ SURFACE****H211125-03 (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	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.4 %		69.9-140	1050401	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

Surrogate: 1-Chlorooctane			85.2 %		44.3-133	1050403	MS	04-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			90.8 %		38.9-142	1050403	MS	04-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP S @ SURFACE****H211125-04 (Soil)**

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

<b>Chloride</b>	<b>256</b>		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.8 %		69.9-140	1050401	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050403	MS	04-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.0 %		44.3-133	1050403	MS	04-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.4 %		38.9-142	1050403	MS	04-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 1 @ SURFACE****H211125-05 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	0.059		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	1.59		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	0.931		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	8.80		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	11.4		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	169 %		69.9-140			1050401	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID****S-06**

GRO C6-C10*	264		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	30100		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	5370		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane	175 %		44.3-133			1050405	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane	1660 %		38.9-142			1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 1 @ 1'**  
**H211125-06 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<b>0.124</b>		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	<b>4.11</b>		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total BTEX	<b>4.23</b>		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 323 % 69.9-140 1050401 MS 04-May-21 8021B

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

GRO C6-C10*	<b>107</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	<b>1580</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<b>204</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 112 % 44.3-133 1050405 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 150 % 38.9-142 1050405 MS 05-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 1 @ 2'**  
**H211125-07 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<b>0.064</b>		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<b>1.24</b>		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	<b>0.202</b>		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Total BTEX	<b>1.51</b>		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 264 % 69.9-140 1050401 MS 04-May-21 8021B

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

GRO C6-C10*	<b>32.9</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	<b>1740</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<b>232</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 84.9 % 44.3-133 1050405 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 146 % 38.9-142 1050405 MS 05-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 1 @ 3'**  
**H211125-08 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %		69.9-140	1050401	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	81.2		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			96.8 %		44.3-133	1050405	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			107 %		38.9-142	1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 1 @ 4'**  
**H211125-09 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Analytical Results For:**

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

Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 1 @ 5'**  
**H211125-10 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Analytical Results For:**

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

Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 2 @ SURFACE****H211125-11 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	1050506	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	0.405		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Ethylbenzene*	0.319		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Total Xylenes*	2.71		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	
Total BTEX	3.43		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140 1050401 MS 04-May-21 8021B

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

GRO C6-C10*	108		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	38300		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	7560		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 133 % 44.3-133 1050405 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 2440 % 38.9-142 1050405 MS 05-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 2 @ 1'**  
**H211125-12 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	
Toluene*	<b>1.19</b>		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
<b>Total Xylenes*</b>	<b>16.2</b>		0.150	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1
<b>Total BTEX</b>	<b>17.4</b>		0.300	mg/kg	50	1050401	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 333 % 69.9-140 1050401 MS 04-May-21 8021B

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

<b>GRO C6-C10*</b>	<b>529</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>3160</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>311</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 179 % 44.3-133 1050405 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 206 % 38.9-142 1050405 MS 05-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 2 @ 2'**  
**H211125-13 (Soil)**

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

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	<b>0.600</b>		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1, QM-07
<b>Total Xylenes*</b>	<b>9.33</b>		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1, QM-07
<b>Total BTEX</b>	<b>9.93</b>		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Surrogate: 4-Bromofluorobenzene (PID)			281 %	69.9-140		1050402	MS	05-May-21	8021B	

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

<b>GRO C6-C10*</b>	<b>353</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>2990</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>313</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctane			170 %	44.3-133		1050405	MS	05-May-21	8015B	
Surrogate: 1-Chlorooctadecane			208 %	38.9-142		1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 2 @ 3'**  
**H211125-14 (Soil)**

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

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.2 %	69.9-140		1050402	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>69.5</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.2 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			109 %	38.9-142		1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 2 @ 4'**  
**H211125-15 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 2 @ 5'**  
**H211125-16 (Soil)**

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

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 3 @ SURFACE****H211125-17 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	<b>0.238</b>		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Ethylbenzene*	<b>0.167</b>		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Total Xylenes*	<b>1.48</b>		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	
Total BTEX	<b>1.88</b>		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	69.9-140		1050402	MS	05-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID****S-06**

GRO C6-C10*	<b>59.7</b>		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	<b>40100</b>		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<b>8340</b>		50.0	mg/kg	5	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			119 %	44.3-133		1050405	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			2650 %	38.9-142		1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 3 @ 1'**  
**H211125-18 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	<b>0.701</b>		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total Xylenes*	<b>12.6</b>		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total BTEX	<b>13.3</b>		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 366 % 69.9-140 1050402 MS 05-May-21 8021B

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

<b>GRO C6-C10*</b>	<b>643</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>5730</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>638</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 228 % 44.3-133 1050405 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 298 % 38.9-142 1050405 MS 05-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 3 @ 2'**  
**H211125-19 (Soil)**

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

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	
Toluene*	<b>0.283</b>		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total Xylenes*	<b>6.23</b>		0.150	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1
Total BTEX	<b>6.51</b>		0.300	mg/kg	50	1050402	MS	05-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 243 % 69.9-140 1050402 MS 05-May-21 8021B

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

<b>GRO C6-C10*</b>	<b>268</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>3170</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>359</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 149 % 44.3-133 1050405 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 206 % 38.9-142 1050405 MS 05-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 3 @ 3'**  
**H211125-20 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.5 %		69.9-140	1050402	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>85.5</b>		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.1 %		44.3-133	1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %		38.9-142	1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 3 @ 4'**  
**H211125-21 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			94.3 %		69.9-140	1050402	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.2 %		44.3-133	1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.9 %		38.9-142	1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 3 @ 5'**  
**H211125-22 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 3 @ 6'**  
**H211125-23 (Soil)**

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

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.9 %	69.9-140		1050402	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050405	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.4 %	44.3-133		1050405	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			100 %	38.9-142		1050405	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 4 @ SURFACE****H211125-24 (Soil)**

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

<b>Chloride</b>	<b>32.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<b>0.069</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140 1050402 MS 04-May-21 8021B

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

GRO C6-C10*	<50.0		50.0	mg/kg	5	1050502	MS	05-May-21	8015B	
DRO >C10-C28*	<b>12700</b>		50.0	mg/kg	5	1050502	MS	05-May-21	8015B	QM-07, QR-03
EXT DRO >C28-C36	<b>3090</b>		50.0	mg/kg	5	1050502	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 98.4 % 44.3-133 1050502 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 923 % 38.9-142 1050502 MS 05-May-21 8015B

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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 4 @ 1'**  
**H211125-25 (Soil)**

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

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<b>0.340</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<b>3.22</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	<b>1.12</b>		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total BTEX	<b>4.68</b>		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 344 % 69.9-140 1050402 MS 04-May-21 8021B

**Petroleum Hydrocarbons by GC FID**

<b>GRO C6-C10*</b>	<b>139</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>2950</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	QM-07
<b>EXT DRO &gt;C28-C36</b>	<b>542</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 94.9 % 44.3-133 1050503 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 142 % 38.9-142 1050503 MS 05-May-21 8015B

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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 4 @ 2'**  
**H211125-26 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<b>0.320</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	<b>5.99</b>		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total BTEX	<b>6.31</b>		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 404 % 69.9-140 1050402 MS 04-May-21 8021B

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

GRO C6-C10*	<b>337</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	<b>6080</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	<b>1040</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 193 % 44.3-133 1050503 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 219 % 38.9-142 1050503 MS 05-May-21 8015B

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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 4 @ 3'**  
**H211125-27 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<b>0.187</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Ethylbenzene*	<b>2.82</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total Xylenes*	<b>1.35</b>		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
Total BTEX	<b>4.36</b>		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			359 %	69.9-140		1050402	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID****S-04**

GRO C6-C10*	<b>198</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	<b>5160</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	<b>907</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			135 %	44.3-133		1050503	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			185 %	38.9-142		1050503	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 4 @ 4'**  
**H211125-28 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9-140		1050402	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	12.8		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	863		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	164		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane			82.2 %	44.3-133		1050503	MS	05-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			95.4 %	38.9-142		1050503	MS	05-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 4 @ 5'**  
**H211125-29 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050612	MS	07-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050612	MS	07-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.1 %	69.9-140		1050612	MS	07-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	

Surrogate: 1-Chlorooctane			98.3 %	44.3-133		1050704	MS	07-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			94.3 %	38.9-142		1050704	MS	07-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 4 @ 6'**  
**H211125-30 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050612	MS	07-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050612	MS	07-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050612	MS	07-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.5 %		69.9-140	1050612	MS	07-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1050704	MS	07-May-21	8015B	

Surrogate: 1-Chlorooctane			91.3 %		44.3-133	1050704	MS	07-May-21	8015B	
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Surrogate: 1-Chlorooctadecane			89.9 %		38.9-142	1050704	MS	07-May-21	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 5 @ SURFACE****H211125-31 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	1050507	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<b>0.054</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<b>0.076</b>		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<b>0.926</b>		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<b>1.06</b>		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140 1050402 MS 04-May-21 8021B

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

GRO C6-C10*	<b>87.2</b>		50.0	mg/kg	5	1050503	MS	05-May-21	8015B	
DRO >C10-C28*	<b>13200</b>		50.0	mg/kg	5	1050503	MS	05-May-21	8015B	
EXT DRO >C28-C36	<b>4570</b>		50.0	mg/kg	5	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 93.2 % 44.3-133 1050503 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 577 % 38.9-142 1050503 MS 05-May-21 8015B

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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 5 @ 1'**  
**H211125-32 (Soil)**

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

<b>Chloride</b>	<b>64.0</b>		16.0	mg/kg	4	1050508	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
<b>Total Xylenes*</b>	<b>0.341</b>		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1
<b>Total BTEX</b>	<b>0.341</b>		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140 1050402 MS 04-May-21 8021B

**Petroleum Hydrocarbons by GC FID**

<b>GRO C6-C10*</b>	<b>22.1</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>921</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>198</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 95.0 % 44.3-133 1050503 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 110 % 38.9-142 1050503 MS 05-May-21 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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 5 @ 2'**  
**H211125-33 (Soil)**

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

<b>Chloride</b>	<b>80.0</b>		16.0	mg/kg	4	1050508	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140 1050402 MS 04-May-21 8021B

**Petroleum Hydrocarbons by GC FID**

<b>GRO C6-C10*</b>	<b>11.1</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>522</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>114</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

Surrogate: 1-Chlorooctane 82.2 % 44.3-133 1050503 MS 05-May-21 8015B

Surrogate: 1-Chlorooctadecane 90.2 % 38.9-142 1050503 MS 05-May-21 8015B

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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**SP 5 @ 3'**  
**H211125-34 (Soil)**

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

<b>Chloride</b>	<b>48.0</b>		16.0	mg/kg	4	1050508	GM	05-May-21	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1050402	MS	04-May-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1050402	MS	04-May-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1050402	MS	04-May-21	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			95.6 %		69.9-140	1050402	MS	04-May-21	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
<b>DRO &gt;C10-C28*</b>	<b>59.3</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>10.7</b>		10.0	mg/kg	1	1050503	MS	05-May-21	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.0 %		44.3-133	1050503	MS	05-May-21	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.0 %		38.9-142	1050503	MS	05-May-21	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, 88241Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397Reported:  
12-May-21 10:32**SP 5 @ 4'**  
**H211125-35 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	1050508	GM	05-May-21	4500-Cl-B	
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**Analytical Results For:**BBC International, Inc.  
P.O. Box 805  
Hobbs NM, 88241Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397Reported:  
12-May-21 10:32**SP 5 @ 5'**  
**H211125-36 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	1050508	GM	05-May-21	4500-Cl-B	
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**Analytical Results For:**

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

Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1050506 - 1:4 DI Water</b>										
<b>Blank (1050506-BLK1)</b>				Prepared & Analyzed: 05-May-21						
Chloride	ND	16.0	mg/kg							
<b>LCS (1050506-BS1)</b>				Prepared & Analyzed: 05-May-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (1050506-BSD1)</b>				Prepared & Analyzed: 05-May-21						
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
<b>Duplicate (1050506-DUP1)</b>				<b>Source: H211123-02</b>		Prepared & Analyzed: 05-May-21				
Chloride	864	16.0	mg/kg		912			5.41	20	
<b>Matrix Spike (1050506-MS1)</b>				<b>Source: H211123-02</b>		Prepared & Analyzed: 05-May-21				
Chloride	1330	16.0	mg/kg	400	912	104	80-120			
<b>Batch 1050507 - 1:4 DI Water</b>										
<b>Blank (1050507-BLK1)</b>				Prepared & Analyzed: 05-May-21						
Chloride	ND	16.0	mg/kg							
<b>LCS (1050507-BS1)</b>				Prepared & Analyzed: 05-May-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (1050507-BSD1)</b>				Prepared & Analyzed: 05-May-21						
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
<b>Duplicate (1050507-DUP1)</b>				<b>Source: H211125-12</b>		Prepared & Analyzed: 05-May-21				
Chloride	32.0	16.0	mg/kg		32.0			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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050507 - 1:4 DI Water****Matrix Spike (1050507-MS1)****Source: H211125-12**

Prepared &amp; Analyzed: 05-May-21

Chloride	448	16.0	mg/kg	400	32.0	104	80-120			
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**Batch 1050508 - 1:4 DI Water****Blank (1050508-BLK1)**

Prepared &amp; Analyzed: 05-May-21

Chloride	ND	16.0	mg/kg							
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**LCS (1050508-BS1)**

Prepared &amp; Analyzed: 05-May-21

Chloride	400	16.0	mg/kg	400		100	80-120			
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**LCS Dup (1050508-BSD1)**

Prepared &amp; Analyzed: 05-May-21

Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
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**Duplicate (1050508-DUP1)****Source: H211125-32**

Prepared &amp; Analyzed: 05-May-21

Chloride	64.0	16.0	mg/kg		64.0			0.00	20	
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**Matrix Spike (1050508-MS1)****Source: H211125-32**

Prepared &amp; Analyzed: 05-May-21

Chloride	448	16.0	mg/kg	400	64.0	96.0	80-120			
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**Analytical Results For:**

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

Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050401 - Volatiles****Blank (1050401-BLK1)**

Prepared &amp; Analyzed: 04-May-21

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		95.6	69.9-140			

**LCS (1050401-BS1)**

Prepared &amp; Analyzed: 04-May-21

Benzene	2.00	0.050	mg/kg	2.00		100	89.9-120			
Toluene	1.94	0.050	mg/kg	2.00		97.2	90.8-117			
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.3	88.9-116			
m,p-Xylene	3.75	0.100	mg/kg	4.00		93.8	85.5-118			
o-Xylene	1.84	0.050	mg/kg	2.00		91.9	85.5-118			
Total Xylenes	5.59	0.150	mg/kg	6.00		93.2	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0465		mg/kg	0.0500		93.1	69.9-140			

**LCS Dup (1050401-BSD1)**

Prepared &amp; Analyzed: 04-May-21

Benzene	2.19	0.050	mg/kg	2.00		109	89.9-120	8.68	10.3	
Toluene	2.14	0.050	mg/kg	2.00		107	90.8-117	9.67	10.5	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	88.9-116	8.89	10.8	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	85.5-118	7.44	10.7	
o-Xylene	2.01	0.050	mg/kg	2.00		100	85.5-118	8.80	10.7	
Total Xylenes	6.05	0.150	mg/kg	6.00		101	85.5-118	7.89	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0471		mg/kg	0.0500		94.1	69.9-140			

**Matrix Spike (1050401-MS1)**

Source: H211123-01

Prepared &amp; Analyzed: 04-May-21

Benzene	1.88	0.050	mg/kg	2.00	ND	93.8	79.3-125			
Toluene	1.84	0.050	mg/kg	2.00	0.006	91.8	71.7-129			
Ethylbenzene	1.79	0.050	mg/kg	2.00	ND	89.4	64.4-135			
m,p-Xylene	3.55	0.100	mg/kg	4.00	ND	88.9	61.2-136			
o-Xylene	1.74	0.050	mg/kg	2.00	ND	86.8	61.2-136			
Total Xylenes	5.29	0.150	mg/kg	6.00	ND	88.2	61.2-136			

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050401 - Volatiles****Matrix Spike (1050401-MS1)**

Source: H211123-01

Prepared &amp; Analyzed: 04-May-21

Surrogate: 4-Bromofluorobenzene (PID) 0.0467 mg/kg 0.0500 93.4 69.9-140

**Matrix Spike Dup (1050401-MSD1)**

Source: H211123-01

Prepared &amp; Analyzed: 04-May-21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	1.94	0.050	mg/kg	2.00	ND	97.0	79.3-125	3.43	13.4	
Toluene	1.90	0.050	mg/kg	2.00	0.006	94.6	71.7-129	3.04	13.1	
Ethylbenzene	1.85	0.050	mg/kg	2.00	ND	92.6	64.4-135	3.51	13.9	
m,p-Xylene	3.68	0.100	mg/kg	4.00	ND	91.9	61.2-136	3.37	15.3	
o-Xylene	1.79	0.050	mg/kg	2.00	ND	89.7	61.2-136	3.31	15.3	
Total Xylenes	5.47	0.150	mg/kg	6.00	ND	91.2	61.2-136	3.35	15.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0472 mg/kg 0.0500 94.3 69.9-140

**Batch 1050402 - Volatiles****Blank (1050402-BLK1)**

Prepared &amp; Analyzed: 04-May-21

Analyte	Result	Reporting Limit	Units
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 95.1 69.9-140

**LCS (1050402-BS1)**

Prepared &amp; Analyzed: 04-May-21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	2.03	0.050	mg/kg	2.00		102	89.9-120			
Toluene	1.98	0.050	mg/kg	2.00		98.8	90.8-117			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.8	88.9-116			
m,p-Xylene	3.81	0.100	mg/kg	4.00		95.3	85.5-118			
o-Xylene	1.86	0.050	mg/kg	2.00		92.9	85.5-118			
Total Xylenes	5.67	0.150	mg/kg	6.00		94.5	85.5-118			

Surrogate: 4-Bromofluorobenzene (PID) 0.0465 mg/kg 0.0500 93.1 69.9-140

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050402 - Volatiles****LCS Dup (1050402-BSD1)**

Prepared &amp; Analyzed: 04-May-21

Benzene	2.23	0.050	mg/kg	2.00		112	89.9-120	9.39	10.3	
Toluene	2.18	0.050	mg/kg	2.00		109	90.8-117	9.71	10.5	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	88.9-116	10.1	10.8	
m,p-Xylene	4.19	0.100	mg/kg	4.00		105	85.5-118	9.56	10.7	
o-Xylene	2.08	0.050	mg/kg	2.00		104	85.5-118	11.1	10.7	QR-04
Total Xylenes	6.27	0.150	mg/kg	6.00		104	85.5-118	10.1	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0474		mg/kg	0.0500		94.9	69.9-140			

**Matrix Spike (1050402-MS1)**

Source: H211125-13

Prepared: 04-May-21 Analyzed: 05-May-21

Benzene	2.04	0.050	mg/kg	2.00	ND	102	79.3-125			
Toluene	2.42	0.050	mg/kg	2.00	0.600	90.7	71.7-129			
Ethylbenzene	3.07	0.050	mg/kg	2.00	ND	153	64.4-135			QM-07
m,p-Xylene	8.19	0.100	mg/kg	4.00	6.20	49.8	61.2-136			QM-07
o-Xylene	2.68	0.050	mg/kg	2.00	3.13	NR	61.2-136			QM-07
Total Xylenes	10.9	0.150	mg/kg	6.00	9.33	25.7	61.2-136			QM-07
Surrogate: 4-Bromofluorobenzene (PID)	0.133		mg/kg	0.0500		267	69.9-140			S-04

**Matrix Spike Dup (1050402-MSD1)**

Source: H211125-13

Prepared: 04-May-21 Analyzed: 05-May-21

Benzene	2.13	0.050	mg/kg	2.00	ND	106	79.3-125	4.35	13.4	
Toluene	2.54	0.050	mg/kg	2.00	0.600	96.8	71.7-129	4.92	13.1	
Ethylbenzene	3.24	0.050	mg/kg	2.00	ND	162	64.4-135	5.37	13.9	QM-07
m,p-Xylene	8.45	0.100	mg/kg	4.00	6.20	56.2	61.2-136	3.08	15.3	QM-07
o-Xylene	2.73	0.050	mg/kg	2.00	3.13	NR	61.2-136	1.80	15.3	QM-07
Total Xylenes	11.2	0.150	mg/kg	6.00	9.33	30.8	61.2-136	2.77	15.3	QM-07
Surrogate: 4-Bromofluorobenzene (PID)	0.134		mg/kg	0.0500		269	69.9-140			S-04

**Batch 1050612 - Volatiles****Blank (1050612-BLK1)**

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050612 - Volatiles****Blank (1050612-BLK1)**

Prepared: 06-May-21 Analyzed: 07-May-21

Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		93.1	69.9-140			

**LCS (1050612-BS1)**

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.12	0.050	mg/kg	2.00		106	89.9-120			
Toluene	2.09	0.050	mg/kg	2.00		105	90.8-117			
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	88.9-116			
m,p-Xylene	4.06	0.100	mg/kg	4.00		102	85.5-118			
o-Xylene	1.99	0.050	mg/kg	2.00		99.5	85.5-118			
Total Xylenes	6.05	0.150	mg/kg	6.00		101	85.5-118			
Surrogate: 4-Bromofluorobenzene (PID)	0.0463		mg/kg	0.0500		92.5	69.9-140			

**LCS Dup (1050612-BSD1)**

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.16	0.050	mg/kg	2.00		108	89.9-120	2.06	10.3	
Toluene	2.13	0.050	mg/kg	2.00		106	90.8-117	1.70	10.5	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	88.9-116	1.77	10.8	
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	85.5-118	1.62	10.7	
o-Xylene	2.02	0.050	mg/kg	2.00		101	85.5-118	1.31	10.7	
Total Xylenes	6.15	0.150	mg/kg	6.00		102	85.5-118	1.52	10.7	
Surrogate: 4-Bromofluorobenzene (PID)	0.0454		mg/kg	0.0500		90.9	69.9-140			

**Matrix Spike (1050612-MS1)**

Source: H211161-14

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.01	0.050	mg/kg	2.00	ND	100	79.3-125			
Toluene	1.99	0.050	mg/kg	2.00	0.006	99.7	71.7-129			
Ethylbenzene	1.97	0.050	mg/kg	2.00	ND	98.4	64.4-135			
m,p-Xylene	3.92	0.100	mg/kg	4.00	ND	98.1	61.2-136			
o-Xylene	1.89	0.050	mg/kg	2.00	ND	94.3	61.2-136			
Total Xylenes	5.81	0.150	mg/kg	6.00	ND	96.8	61.2-136			
Surrogate: 4-Bromofluorobenzene (PID)	0.0449		mg/kg	0.0500		89.8	69.9-140			

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050612 - Volatiles****Matrix Spike Dup (1050612-MSD1)****Source: H211161-14**

Prepared: 06-May-21 Analyzed: 07-May-21

Benzene	2.15	0.050	mg/kg	2.00	ND	107	79.3-125	6.84	13.4	
Toluene	2.11	0.050	mg/kg	2.00	0.006	106	71.7-129	5.89	13.1	
Ethylbenzene	2.08	0.050	mg/kg	2.00	ND	104	64.4-135	5.31	13.9	
m,p-Xylene	4.13	0.100	mg/kg	4.00	ND	103	61.2-136	4.99	15.3	
o-Xylene	2.00	0.050	mg/kg	2.00	ND	100	61.2-136	6.04	15.3	
Total Xylenes	6.13	0.150	mg/kg	6.00	ND	102	61.2-136	5.33	15.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0446		mg/kg	0.0500		89.2	69.9-140			

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**Analytical Results For:**

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

Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050403 - General Prep - Organics****Blank (1050403-BLK1)**

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.3	44.3-133			
Surrogate: 1-Chlorooctadecane	46.7		mg/kg	50.0		93.3	38.9-142			

**LCS (1050403-BS1)**

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	204	10.0	mg/kg	200		102	83.4-129			
DRO >C10-C28	200	10.0	mg/kg	200		99.8	84.3-133			
Total TPH C6-C28	404	10.0	mg/kg	400		101	85.3-130			
Surrogate: 1-Chlorooctane	52.4		mg/kg	50.0		105	44.3-133			
Surrogate: 1-Chlorooctadecane	51.4		mg/kg	50.0		103	38.9-142			

**LCS Dup (1050403-BSD1)**

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	206	10.0	mg/kg	200		103	83.4-129	0.721	12.6	
DRO >C10-C28	207	10.0	mg/kg	200		104	84.3-133	3.88	12.1	
Total TPH C6-C28	413	10.0	mg/kg	400		103	85.3-130	2.30	11.6	
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	44.3-133			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	38.9-142			

**Matrix Spike (1050403-MS1)**

Source: H211119-01

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	203	10.0	mg/kg	200	ND	102	65.4-129			
DRO >C10-C28	1320	10.0	mg/kg	200	1140	89.7	46.9-157			
Total TPH C6-C28	1520	10.0	mg/kg	400	1140	95.7	53.9-146			
Surrogate: 1-Chlorooctane	57.3		mg/kg	50.0		115	44.3-133			
Surrogate: 1-Chlorooctadecane	83.1		mg/kg	50.0		166	38.9-142			S-04

**Matrix Spike Dup (1050403-MSD1)**

Source: H211119-01

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	186	10.0	mg/kg	200	ND	93.1	65.4-129	8.85	35.1	
DRO >C10-C28	1410	10.0	mg/kg	200	1140	134	46.9-157	39.6	58.3	
Total TPH C6-C28	1600	10.0	mg/kg	400	1140	114	53.9-146	17.1	68.4	
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	44.3-133			

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050403 - General Prep - Organics****Matrix Spike Dup (1050403-MSD1)**

Source: H211119-01

Prepared &amp; Analyzed: 04-May-21

Surrogate: 1-Chlorooctadecane	82.1		mg/kg	50.0		164	38.9-142			S-04
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**Batch 1050405 - General Prep - Organics****Blank (1050405-BLK1)**

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							

Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	44.3-133			
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Surrogate: 1-Chlorooctadecane	51.9		mg/kg	50.0		104	38.9-142			
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**LCS (1050405-BS1)**

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	194	10.0	mg/kg	200		97.2	83.4-129			
DRO >C10-C28	208	10.0	mg/kg	200		104	84.3-133			
Total TPH C6-C28	402	10.0	mg/kg	400		101	85.3-130			

Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	44.3-133			
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Surrogate: 1-Chlorooctadecane	55.7		mg/kg	50.0		111	38.9-142			
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**LCS Dup (1050405-BSD1)**

Prepared &amp; Analyzed: 04-May-21

GRO C6-C10	190	10.0	mg/kg	200		94.9	83.4-129	2.37	12.6	
DRO >C10-C28	192	10.0	mg/kg	200		95.9	84.3-133	8.15	12.1	
Total TPH C6-C28	382	10.0	mg/kg	400		95.4	85.3-130	5.31	11.6	

Surrogate: 1-Chlorooctane	52.5		mg/kg	50.0		105	44.3-133			
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Surrogate: 1-Chlorooctadecane	56.0		mg/kg	50.0		112	38.9-142			
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**Matrix Spike (1050405-MS1)**

Source: H211120-01

Prepared: 04-May-21 Analyzed: 05-May-21

GRO C6-C10	177	10.0	mg/kg	200	ND	88.7	65.4-129			
DRO >C10-C28	287	10.0	mg/kg	200	ND	143	46.9-157			
Total TPH C6-C28	464	10.0	mg/kg	400	ND	116	53.9-146			

Surrogate: 1-Chlorooctane	47.5		mg/kg	50.0		95.0	44.3-133			
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Surrogate: 1-Chlorooctadecane	54.2		mg/kg	50.0		108	38.9-142			
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**Analytical Results For:**

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

Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050405 - General Prep - Organics**

Matrix Spike Dup (1050405-MSD1)		Source: H211120-01			Prepared: 04-May-21 Analyzed: 05-May-21					
GRO C6-C10	177	10.0	mg/kg	200	ND	88.6	65.4-129	0.173	35.1	
DRO >C10-C28	173	10.0	mg/kg	200	ND	86.3	46.9-157	49.8	58.3	
Total TPH C6-C28	350	10.0	mg/kg	400	ND	87.4	53.9-146	28.2	68.4	
Surrogate: 1-Chlorooctane	43.0		mg/kg	50.0		86.1	44.3-133			
Surrogate: 1-Chlorooctadecane	45.4		mg/kg	50.0		90.7	38.9-142			

**Batch 1050502 - General Prep - Organics**

Blank (1050502-BLK1)		Prepared & Analyzed: 05-May-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.6		mg/kg	50.0		93.2	44.3-133			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.5	38.9-142			

LCS (1050502-BS1)		Prepared & Analyzed: 05-May-21								
GRO C6-C10	196	10.0	mg/kg	200		97.9	83.4-129			
DRO >C10-C28	203	10.0	mg/kg	200		101	84.3-133			
Total TPH C6-C28	399	10.0	mg/kg	400		99.6	85.3-130			
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	44.3-133			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	38.9-142			

LCS Dup (1050502-BSD1)		Prepared & Analyzed: 05-May-21								
GRO C6-C10	182	10.0	mg/kg	200		90.8	83.4-129	7.47	12.6	
DRO >C10-C28	186	10.0	mg/kg	200		93.2	84.3-133	8.45	12.1	
Total TPH C6-C28	368	10.0	mg/kg	400		92.0	85.3-130	7.97	11.6	
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.4	44.3-133			
Surrogate: 1-Chlorooctadecane	50.4		mg/kg	50.0		101	38.9-142			

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**Analytical Results For:**

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

Project: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050502 - General Prep - Organics**

Matrix Spike (1050502-MS1)		Source: H211125-24			Prepared & Analyzed: 05-May-21					
GRO C6-C10	186	50.0	mg/kg	200	ND	92.9	65.4-129			
DRO >C10-C28	14700	50.0	mg/kg	200	12700	NR	46.9-157			QM-07
Total TPH C6-C28	14900	50.0	mg/kg	400	12700	551	53.9-146			QM-07
Surrogate: 1-Chlorooctane	53.2		mg/kg	50.0		106	44.3-133			
Surrogate: 1-Chlorooctadecane	515		mg/kg	50.0		NR	38.9-142			S-06
Matrix Spike Dup (1050502-MSD1)		Source: H211125-24			Prepared & Analyzed: 05-May-21					
GRO C6-C10	198	50.0	mg/kg	200	ND	98.8	65.4-129	6.21	35.1	
DRO >C10-C28	16500	50.0	mg/kg	200	12700	NR	46.9-157	61.8	58.3	QM-07, QR-03
Total TPH C6-C28	16700	50.0	mg/kg	400	12700	NR	53.9-146	58.4	68.4	QM-07
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	44.3-133			
Surrogate: 1-Chlorooctadecane	573		mg/kg	50.0		NR	38.9-142			S-06

**Batch 1050503 - General Prep - Organics**

Blank (1050503-BLK1)		Prepared & Analyzed: 05-May-21								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.6		mg/kg	50.0		79.2	44.3-133			
Surrogate: 1-Chlorooctadecane	37.3		mg/kg	50.0		74.6	38.9-142			
LCS (1050503-BS1)		Prepared & Analyzed: 05-May-21								
GRO C6-C10	197	10.0	mg/kg	200		98.3	83.4-129			
DRO >C10-C28	208	10.0	mg/kg	200		104	84.3-133			
Total TPH C6-C28	404	10.0	mg/kg	400		101	85.3-130			
Surrogate: 1-Chlorooctane	42.4		mg/kg	50.0		84.9	44.3-133			
Surrogate: 1-Chlorooctadecane	39.5		mg/kg	50.0		79.0	38.9-142			

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050503 - General Prep - Organics****LCS Dup (1050503-BSD1)**

Prepared &amp; Analyzed: 05-May-21

GRO C6-C10	194	10.0	mg/kg	200		97.0	83.4-129	1.39	12.6	
DRO >C10-C28	204	10.0	mg/kg	200		102	84.3-133	1.63	12.1	
Total TPH C6-C28	398	10.0	mg/kg	400		99.5	85.3-130	1.51	11.6	
Surrogate: 1-Chlorooctane	41.2		mg/kg	50.0		82.4	44.3-133			
Surrogate: 1-Chlorooctadecane	38.5		mg/kg	50.0		77.0	38.9-142			

**Matrix Spike (1050503-MS1)**

Source: H211125-25

Prepared &amp; Analyzed: 05-May-21

GRO C6-C10	327	10.0	mg/kg	200	139	94.1	65.4-129			
DRO >C10-C28	3340	10.0	mg/kg	200	2950	194	46.9-157			QM-07
Total TPH C6-C28	3670	10.0	mg/kg	400	3090	144	53.9-146			
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0		107	44.3-133			
Surrogate: 1-Chlorooctadecane	73.8		mg/kg	50.0		148	38.9-142			S-04

**Matrix Spike Dup (1050503-MSD1)**

Source: H211125-25

Prepared &amp; Analyzed: 05-May-21

GRO C6-C10	319	10.0	mg/kg	200	139	90.3	65.4-129	4.10	35.1	
DRO >C10-C28	3180	10.0	mg/kg	200	2950	114	46.9-157	52.0	58.3	
Total TPH C6-C28	3500	10.0	mg/kg	400	3090	102	53.9-146	34.1	68.4	
Surrogate: 1-Chlorooctane	59.8		mg/kg	50.0		120	44.3-133			
Surrogate: 1-Chlorooctadecane	75.5		mg/kg	50.0		151	38.9-142			S-04

**Batch 1050704 - General Prep - Organics****Blank (1050704-BLK1)**

Prepared &amp; Analyzed: 07-May-21

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.9		mg/kg	50.0		85.7	44.3-133			
Surrogate: 1-Chlorooctadecane	41.6		mg/kg	50.0		83.2	38.9-142			

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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: CORRAL CANYON 36-25 CTB  
Project Number: ( 1-22 - 19 )  
Project Manager: Cliff Brunson  
Fax To: (575) 397-0397

Reported:  
12-May-21 10:32

**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 1050704 - General Prep - Organics****LCS (1050704-BS1)**

Prepared &amp; Analyzed: 07-May-21

GRO C6-C10	212	10.0	mg/kg	200		106	83.4-129			
DRO >C10-C28	226	10.0	mg/kg	200		113	84.3-133			
Total TPH C6-C28	438	10.0	mg/kg	400		110	85.3-130			
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.8	44.3-133			
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0		91.1	38.9-142			

**LCS Dup (1050704-BS1)**

Prepared &amp; Analyzed: 07-May-21

GRO C6-C10	208	10.0	mg/kg	200		104	83.4-129	1.94	12.6	
DRO >C10-C28	223	10.0	mg/kg	200		111	84.3-133	1.46	12.1	
Total TPH C6-C28	431	10.0	mg/kg	400		108	85.3-130	1.69	11.6	
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.8	44.3-133			
Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0		90.3	38.9-142			

**Matrix Spike (1050704-MS1)**

Source: H211125-29

Prepared &amp; Analyzed: 07-May-21

GRO C6-C10	214	10.0	mg/kg	200	2.20	106	65.4-129			
DRO >C10-C28	222	10.0	mg/kg	200	1.45	111	46.9-157			
Total TPH C6-C28	436	10.0	mg/kg	400	3.65	108	53.9-146			
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0		101	44.3-133			
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0		108	38.9-142			

**Matrix Spike Dup (1050704-MSD1)**

Source: H211125-29

Prepared: 07-May-21 Analyzed: 08-May-21

GRO C6-C10	224	10.0	mg/kg	200	2.20	111	65.4-129	4.68	35.1	
DRO >C10-C28	236	10.0	mg/kg	200	1.45	118	46.9-157	6.06	58.3	
Total TPH C6-C28	460	10.0	mg/kg	400	3.65	114	53.9-146	5.41	68.4	
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	44.3-133			
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0		110	38.9-142			

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

[illegible]

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Relinquished By: <i>Simon Pena</i>		Date: <i>5-3-21</i>	Received By: <i>Israel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>8:00 AM</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Israel Pena</i>		Date: <i>5-3-21</i>	Received By: <i>Samuel Pena</i>	REMARKS:	
Time: <i>4:30 PM</i>					
Delivered By: (Circle One)		Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <i>- 2.2i #113</i>		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) <i>SP</i>		

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476				BILL TO		ANALYSIS REQUEST													
Company Name: BBC International, Inc.				P.O. #:															
Project Manager: Cliff Brunson				Company: OXY															
Address: P.O. Box 805				Attn: WADE															
City: Hobbs		State: NM Zip: 88241		Address:															
Phone #: 575-397-6388		Fax #: 575-397-0397		City:															
Project #:		Project Owner: Oxy		State: Zip:															
Project Name: CORRAL CANYON 36-25 CTB(1-22-19)				Phone #:															
Project Location:				Fax #:															
Sampler Name: SIMON RENDON																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING		CL	BTEX	TPH	EXT						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :										
H211125																			
31	SP5 @ SURFACE	G	I										4/30/21	1:23	✓	✓	✓		
32	SP5 @ 1'												4/30/21	1:30	✓	✓	✓		
33	SP5 @ 2'												4/30/21	1:41	✓	✓	✓		
34	SP5 @ 3'												4/30/21	1:50	✓	✓	✓		
35	SP5 @ 4'												4/30/21	2:03	✓				
36	SP5 @ 5'												4/30/21	2:14	✓				

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Relinquished By: <i>Simon Reed</i>		Date: <i>5-3-21</i>	Received By: <i>Israel Peña</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <i>800 AM</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Israel Peña</i>		Date: <i>5-3-21</i>	Received By: <i>Ismael Peña</i>	REMARKS:	
Time: <i>430 PM</i>					
Delivered By: (Circle One)		Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <i>- 2.2c #113</i>		Cool Intact	(Initials)		
		<input type="checkbox"/> Yes <input type="checkbox"/> Yes	<i>YB</i>		
		<input type="checkbox"/> No <input type="checkbox"/> No			

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811 S. First St., Artesia, NM 88210  
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**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 30446

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 30446
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/6/2021