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## DELINEATION/REMEDIATION WORKPLAN

### OXY – CEDAR CANYON 16 ST0011H (Leak Date: 11/2/21)

#### Incident Reference #: NAPP2132239558

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NAPP2132239558.

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, SP4, and SP7 (WHITE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP2 (BLUE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP5 and SP6 (YELLOW shade on diagram) will be excavated to a depth of 1 foot.***

***OXY will collect sidewall and bottom confirmation samples every 200 square feet. The estimated amount of soil to be excavated is 607 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 regulatory 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	nAPP2132239558
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?	62 (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

Page 4

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2132239558
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 DittrichTitle: Environmental CoordinatorSignature: Date: 2-4-22email: wade\_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

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

Date: \_\_\_\_\_

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2132239558
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: 2-4-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



# CEDAR CANYON 16 ST 0011H

LEAK DATE: 11/2/21  
ID# nAPP2132239558  
EDDY CO, NM

Legend

1FT DEPTH

2FT DEPTH

3FT DEPTH



CEDAR CANYON 16 ST 0011H

LEAK DATE 11/2/21

SAMPLE DATE :12/14/21-12/15/21

NORTH	32.224327	-103.991756
EAST	32.224103	-103.991334
WEST	32.224165	-103.991863
SOUTH	32.223931	-103.991724
SP1	32.223964	-103.991805
SP2	32.224008	-103.991672
SP3	32.224104	-103.991754
SP4	32.224292	-103.991785
SP5	32.224173	-103.991599
SP6	32.224143	-103.991482
SP7	32.224126	-103.991384



USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:	Geographic Area:	GO
Groundwater	New Mexico	

Click to hide News Bulletins

- Explore the [NEW USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

1 Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 320215104004201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 320215104004201 24S.29E.20.134

Eddy County, New Mexico

Latitude 32°12'13", Longitude 104°00'42" NAD27

Land-surface elevation 2,960 feet above NGVD29

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Culebra Dolomite Member of Rustler Formation (312CLBR) local aquifer.

#### Output formats

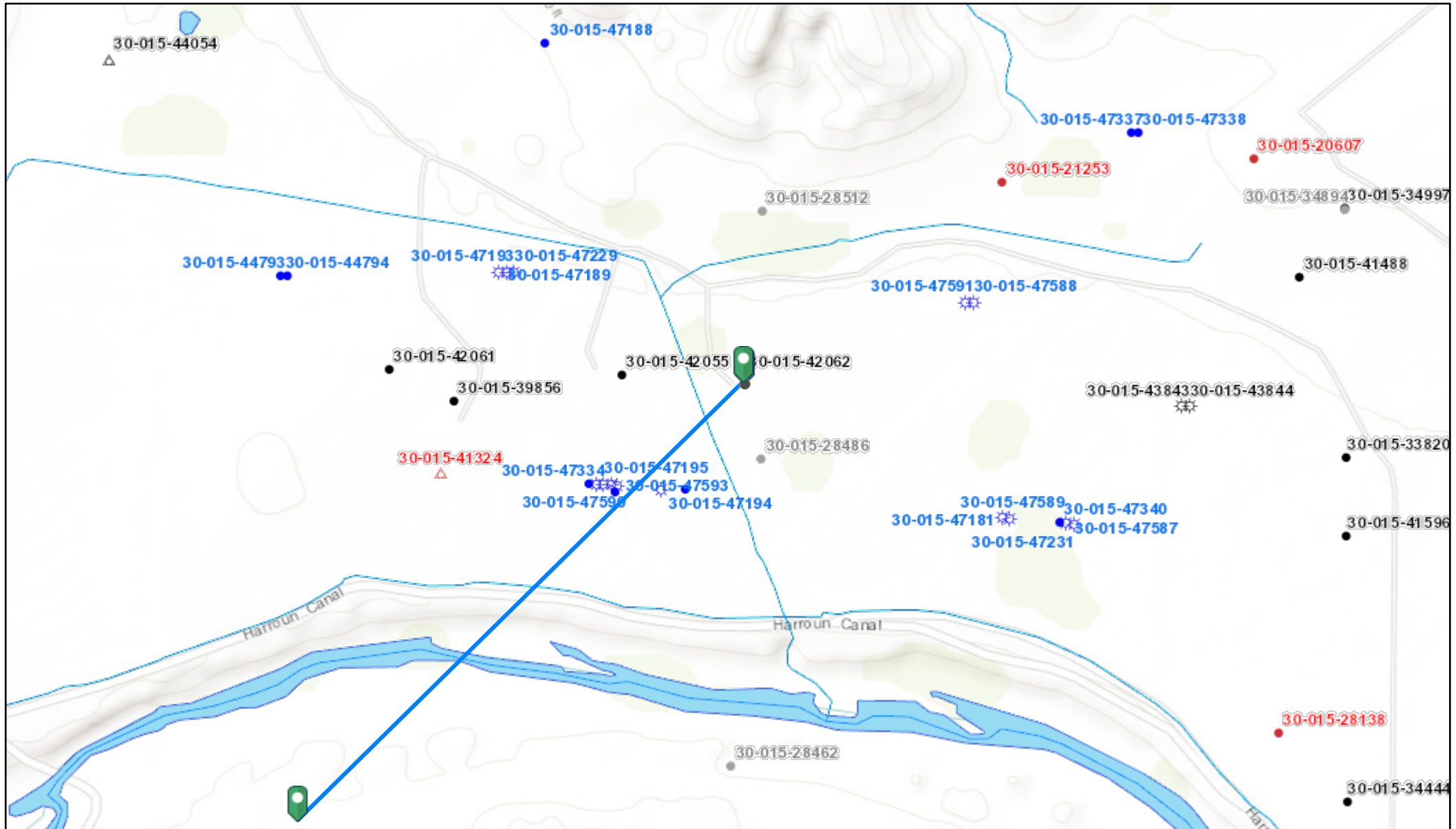
<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement
1975-07-14			D	62610	2898.20	NGVD29	1	O	USGS	
1975-07-14			D	62611	2899.74	NAVD88	1	O	USGS	
1975-07-14			D	72019	61.80		1	O	USGS	

#### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.





11/19/2021 10:05:06 AM

## Wells - Large Scale


☀ CO2, Cancelled

☼ Gas, Active

☀ Gas, Temporarily Abandoned

Injection, Plugged


? undefined

 CO2, New

☼ Gas, Cancelled

 Injection, Active

• Miscellaneous

 CO2, Plugged

Gas. New

 Injection, Cancelled

 CO2, Active

☀ CO2, Temporarily Abandoned

Gas, Plugged

 Injection, New

Released to Imaging: 3/16/2022 9:31:43 AM

1:9,028

0 0.05 0.1 0.2 mi

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD

New Mexico Oil Conservation Division





NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>; New Mexico Oil Conservation Division




# CEDAR CANYON 16 0011H

LEAK DATE : 11/2/21

## Legend

-  32.224074, -103.991373
-  High
-  Low
-  Medium

32.224074, -103.991373 

Pecos River

Google Earth



1 mi

# National Flood Hazard Layer FIRMette



103°59'48"W 32°13'42"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 103°59'10"W 32°13'11"N

## 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 Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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 11/19/2021 at 12:00 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.

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	12/14/21	12/14/21	12/14/21	12/14/21
			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		128	128	144	112
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'
Analyte	Method	Date	12/14/21	12/14/21	12/14/21	12/14/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.118	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.515	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		2.52	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		3.15	<0.300	N/A	N/A
Chloride	SM4500Cl-B		23600	656	352	176
GRO	TPH 8015M		118	<10.0	N/A	N/A
DRO	TPH 8015M		20100	<10.0	N/A	N/A
EXT DRO	TPH 8015M		4630	<10.0	N/A	N/A

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	12/14/21	12/14/21	12/14/21	12/14/21	12/14/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		64800	992	1100	448	80.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		72.0	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		21.5	<10.0	<10.0	N/A	N/A

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	12/14/21	12/14/21	12/14/21	12/14/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.081	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.129	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.624	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		0.834	<0.300	N/A	N/A
Chloride	SM4500Cl-B		69600	624	432	80.0
GRO	TPH 8015M		<50.0	<10.0	N/A	N/A
DRO	TPH 8015M		13400	<10.0	N/A	N/A
EXT DRO	TPH 8015M		3640	<10.0	N/A	N/A

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	12/14/21	12/14/21	12/14/21	12/14/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		84000	2240	560	80.0
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		17.9	<10.0	N/A	N/A
EXT DRO	TPH 8015M		<10.0	<10.0	N/A	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	12/14/21	12/14/21	12/14/21	12/14/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.057	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.213	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		85600	256	80.0	144
GRO	TPH 8015M		<50.0	<10.0	N/A	N/A
DRO	TPH 8015M		766	<10.0	N/A	N/A
EXT DRO	TPH 8015M		235	<10.0	N/A	N/A

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	12/15/21	12/15/21	12/15/21	12/15/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		113000	320	160	112
GRO	TPH 8015M		<50.0	<10.0	N/A	N/A
DRO	TPH 8015M		1400	<10.0	N/A	N/A
EXT DRO	TPH 8015M		359	<10.0	N/A	N/A

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'
Analyte	Method	Date	12/15/21	12/15/21	12/15/21	12/15/21	12/15/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A	N/A
Chloride	SM4500Cl-B		76000	1040	704	240	96.0
GRO	TPH 8015M		<10.0	<10.0	N/A	N/A	N/A
DRO	TPH 8015M		399	<10.0	N/A	N/A	N/A
EXT DRO	TPH 8015M		98.0	<10.0	N/A	N/A	N/A



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

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December 23, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CEDAR CANYON 16 ST 0011H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: NORTH (H213672-01)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.97	98.5	2.00	6.63	
Toluene*	<0.050	0.050	12/21/2021	ND	1.91	95.7	2.00	6.66	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.87	93.7	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.73	95.5	6.00	6.72	
Total BTX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 102 % 62-130

Surrogate: 1-Chlorooctadecane 99.1 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: EAST (H213672-02)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82	
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	
Total BTEx	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/21/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 62-130

Surrogate: 1-Chlorooctadecane 85.4 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: WEST (H213672-03)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 96.0 % 62-130

Surrogate: 1-Chlorooctadecane 92.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SOUTH (H213672-04)**

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82	
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	
Total BTEX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/21/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	210	105	200	4.45	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	238	119	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 94.2 % 62-130

Surrogate: 1-Chlorooctadecane 90.6 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 1 @ SURFACE (H213672-05)**

BTX 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82	
Toluene*	<b>0.118</b>	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27	
Ethylbenzene*	<b>0.515</b>	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	GC-NC1
Total Xylenes*	<b>2.52</b>	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	GC-NC1
Total BTX	<b>3.15</b>	0.300	12/21/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 144 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>23600</b>	16.0	12/21/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>118</b>	50.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<b>20100</b>	50.0	12/21/2021	ND	216	108	200	5.02	QM-07, QR-03
EXT DRO >C28-C36	<b>4630</b>	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 157 % 62-130

Surrogate: 1-Chlorooctadecane 685 % 54.5-135

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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 1 @ 1' (H213672-06)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 62-130

Surrogate: 1-Chlorooctadecane 85.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 1 @ 2' (H213672-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	12/21/2021	ND	400	100	400	0.00		

**Sample ID: SP 1 @ 3' (H213672-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/21/2021	ND	400	100	400	0.00	

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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 2 @ SURFACE (H213672-09)**

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64800	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	72.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	21.5	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 92.4 % 62-130

Surrogate: 1-Chlorooctadecane 93.4 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 2 @ 1' (H213672-10)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 62-130

Surrogate: 1-Chlorooctadecane 86.8 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 2 @ 2' (H213672-11)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 84.7 % 62-130

Surrogate: 1-Chlorooctadecane 82.7 % 54.5-135

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

**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 2 @ 3' (H213672-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	12/21/2021	ND	400	100	400	0.00	

**Sample ID: SP 2 @ 4' (H213672-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/21/2021	ND	400	100	400	0.00	

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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 3 @ SURFACE (H213672-14)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	0.081	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	0.129	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	GC-NC1	
Total Xylenes*	0.624	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	GC-NC1	
Total BTEX	0.834	0.300	12/21/2021	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 126 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	69600	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	13400	50.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	3640	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 112 % 62-130

Surrogate: 1-Chlorooctadecane 544 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 3 @ 1' (H213672-15)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 62-130

Surrogate: 1-Chlorooctadecane 89.7 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 3 @ 2' (H213672-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/21/2021	ND	400	100	400	0.00		

**Sample ID: SP 3 @ 3' (H213672-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2021	ND	400	100	400	0.00		

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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 4 @ SURFACE (H213672-18)**

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	84000	16.0	12/21/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	17.9	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 92.9 % 62-130

Surrogate: 1-Chlorooctadecane 92.1 % 54.5-135

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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 4 @ 1' (H213672-19)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82	
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	
Total BTX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	12/21/2021	ND	416	104	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 62-130

Surrogate: 1-Chlorooctadecane 93.2 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 4 @ 2' (H213672-20)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	12/21/2021	ND	416	104	400	3.92		

**Sample ID: SP 4 @ 3' (H213672-21)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2021	ND	416	104	400	3.92		

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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 5 @ SURFACE (H213672-22)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82	GC-NC1	
Toluene*	0.057	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	0.213	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>85600</b>	16.0	12/21/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	766	50.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	235	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 81.4 % 62-130

Surrogate: 1-Chlorooctadecane 108 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 5 @ 1' (H213672-23)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82	
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	
Total BTX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/21/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 81.7 % 62-130

Surrogate: 1-Chlorooctadecane 78.2 % 54.5-135

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/14/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 5 @ 2' (H213672-24)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/21/2021	ND	416	104	400	3.92		

**Sample ID: SP 5 @ 3' (H213672-25)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/21/2021	ND	416	104	400	3.92	

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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/15/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 6 @ SURFACE (H213672-26)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEx	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	113000	16.0	12/21/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	1400	50.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	359	50.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 88.4 % 62-130

Surrogate: 1-Chlorooctadecane 138 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/15/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 6 @ 1' (H213672-27)**

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTEX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/21/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 89.6 % 62-130

Surrogate: 1-Chlorooctadecane 87.5 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/15/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 6 @ 2' (H213672-28)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/21/2021	ND	416	104	400	3.92		

**Sample ID: SP 6 @ 3' (H213672-29)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/21/2021	ND	416	104	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/15/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 7 @ SURFACE (H213672-30)**

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82		
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27		
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13		
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65		
Total BTX	<0.300	0.300	12/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	76000	16.0	12/21/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	399	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	98.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 62-130

Surrogate: 1-Chlorooctadecane 96.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/15/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 7 @ 1' (H213672-31)**

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2021	ND	1.98	98.8	2.00	5.82	
Toluene*	<0.050	0.050	12/21/2021	ND	1.88	94.0	2.00	6.27	
Ethylbenzene*	<0.050	0.050	12/21/2021	ND	1.89	94.7	2.00	6.13	
Total Xylenes*	<0.150	0.150	12/21/2021	ND	5.90	98.3	6.00	5.65	
Total BTX	<0.300	0.300	12/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	12/21/2021	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2021	ND	202	101	200	0.757	
DRO >C10-C28*	<10.0	10.0	12/21/2021	ND	216	108	200	5.02	
EXT DRO >C28-C36	<10.0	10.0	12/21/2021	ND					

Surrogate: 1-Chlorooctane 88.2 % 62-130

Surrogate: 1-Chlorooctadecane 86.0 % 54.5-135

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/20/2021	Sampling Date:	12/15/2021
Reported:	12/23/2021	Sampling Type:	Soil
Project Name:	CEDAR CANYON 16 ST 0011H	Sampling Condition:	Cool & Intact
Project Number:	( 11/2/21 )	Sample Received By:	Jodi Henson
Project Location:	OXY - NM		

**Sample ID: SP 7 @ 2' (H213672-32)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	12/21/2021	ND	416	104	400	3.92		

**Sample ID: SP 7 @ 3' (H213672-33)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/21/2021	ND	416	104	400	3.92		

**Sample ID: SP 7 @ 4' (H213672-34)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/21/2021	ND	416	104	400	3.92		

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.						P.O. #:					
Project Manager: Cliff Brunson						Company: [Signature]					
Address: P.O. Box 805						Attn:					
City: Hobbs						State: NM Zip: 88241					
Phone #: 575-397-6388						Fax #: 575-397-0397					
Project #:						Project Owner: Oxy					
Project Name: CEDAR CANYON 16 ST						City: State: Zip:					
Project Location: NEW MEXICO						Phone #: Fax #:					
Sampler Name: SIMON						FOR LAB USE ONLY					
Lab I.D.						Sample I.D.					
H213672						(G)RAB OR (C)OMP.					
11						# CONTAINERS					
SP 2 @ 2'						GROUNDWATER					
12						WASTEWATER					
SP 2 @ 3'						SOIL					
13						OIL					
SP 2 @ 4'						SLUDGE					
14						OTHER :					
SP 3 @ SURFACE						ACID/BASE:					
15						ICE / COOL					
SP 3 @ 1'						OTHER :					
16						DATE					
SP 3 @ 2'						TIME					
17											
SP 3 @ 3'											
18											
SP 4 @ SURFACE											
19											
SP 4 @ 1'											
20											
SP 4 @ 2'											
12/14/21						11:53AM					
2.07PM						✓					
12/14/21						12:04PM					
12:12PM						✓					
12/14/21						12:51PM					
1:08PM						✓					
12/14/21						1:19PM					
1:30PM						✓					
12/14/21						1:42PM					
1:55PM						✓					
12/14/21						2:07PM					
2.07PM						✓					
REMARKS:						BTEX TPH EXT					
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any one of the above stated theories or otherwise.											
Relinquished By: [Signature]						Date: 12-20-21 Received By: [Signature]					
Time: 8:00 AM						Time: 8:00 AM					
Relinquished By: [Signature]						Date: 12-20-21 Received By: [Signature]					
Time: 10:40						Time: 10:40					
Delivered By: (Circle One)						Sample Condition					
Cool Intact						Checked BY: [Signature]					
Yes Yes						Initials					
No No											
Sampler - UPS - Bus - Other: 1 DE - 15 50											





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2810

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: CEDAR CANYON 16 ST 001H (11/2/21)

Project Location: NEW MEXICO

Sampler Name: SIMON

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Lab I.D. Sample I.D.

H23672

21 SP 4 @ 3'

22 SP 5 @ SURFACE

23 SP 5 @ 1'

24 SP 5 @ 2'

25 SP 5 @ 3'

26 SP 6 @ SURFACE

27 SP 6 @ 1'

28 SP 6 @ 2'

29 SP 6 @ 3'

30 SP 7 @ SURFACE

(G/RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE TIME

12/14/21 2:16PM

12/14/21 2:27PM

12/14/21 2:39PM

12/14/21 2:53PM

12/14/21 3:06PM

12/15/21 9:40AM

12/15/21 9:53AM

12/15/21 10:07AM

12/15/21 10:19AM

12/15/21 10:38AM

CL  
BREV  
TPH EXT

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

Relinquished By:

Date: 12-20-21

Received By:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

Relinquished By:

Date: 12-20-21

Received By:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

CHECKED BY:

(Initials)

REMARKS:



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

**(505) 393-2326 FAX (505)**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

#113



Form C-141

Page 5

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2132239558
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: 2-4-22  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**Received by: Robert Hamlet Date: 3/16/2022☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Robert Hamlet Date: 3/16/2022

**District I**

1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**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 79321

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 79321
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Workplan/Remediation Plan is approved with the following conditions: Please make sure floor closure samples are delineated/excavated to meet closure criteria standards for proven depth to water determination. Please make sure all groundwater data is included in closure report summary. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall and floor samples should represent no more than 200 ft2. The work will need to occur in 90 days after the work plan has been approved.	3/16/2022