



## DELINEATION WORKPLAN

### OXY – SAND DUNES 34 FEDERAL #2 CTB (Leak Date: 2/5/19)

#### RP # 2RP-5241

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This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-5241.

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, and/or copy of Chevron groundwater trend map).
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 entire leak area (BLUE shade on diagram) will be excavated to a depth of 6 inches.***

***Bottom confirmation samples will be collected at no greater than 75 ft. intervals. Estimated volume of material to be removed is 837 cubic yards. The remediation will be completed within 90 days of plan 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.

Incident ID	
District RP	2RP-5241
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?	102 (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 checked="" type="checkbox"/> Yes <input 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 1/2-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.

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5241
Facility ID	
Application ID	

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: 5-20-09  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

Incident ID	
District RP	2RP-5241
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: 5-20-18

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: \_\_\_\_\_





# Oxy, Sand Dunes 34 Federal #2 CTB

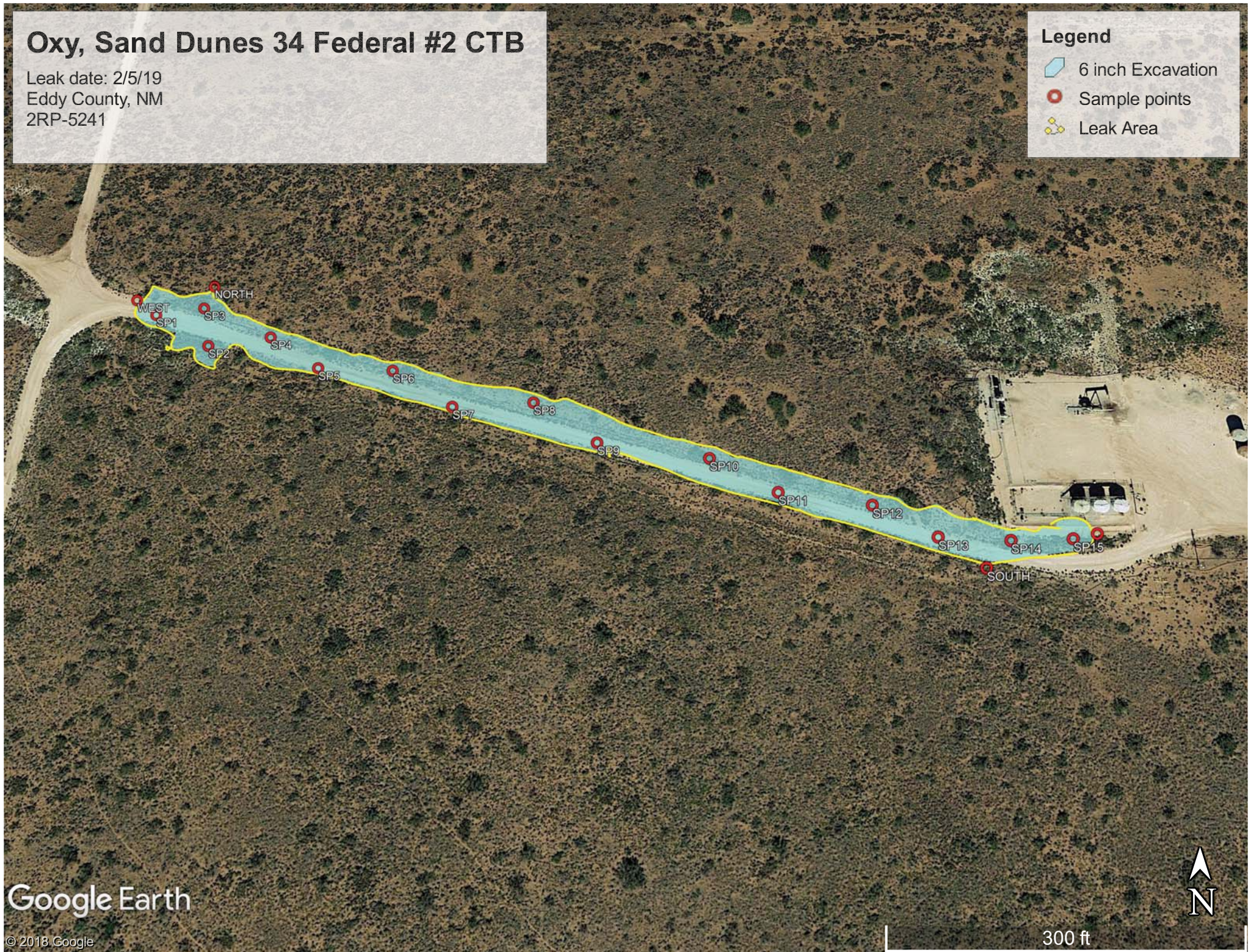
Leak date: 2/5/19  
Eddy County, NM  
2RP-5241

Legend

 6 inch Excavation

 Sample points

 Leak Area

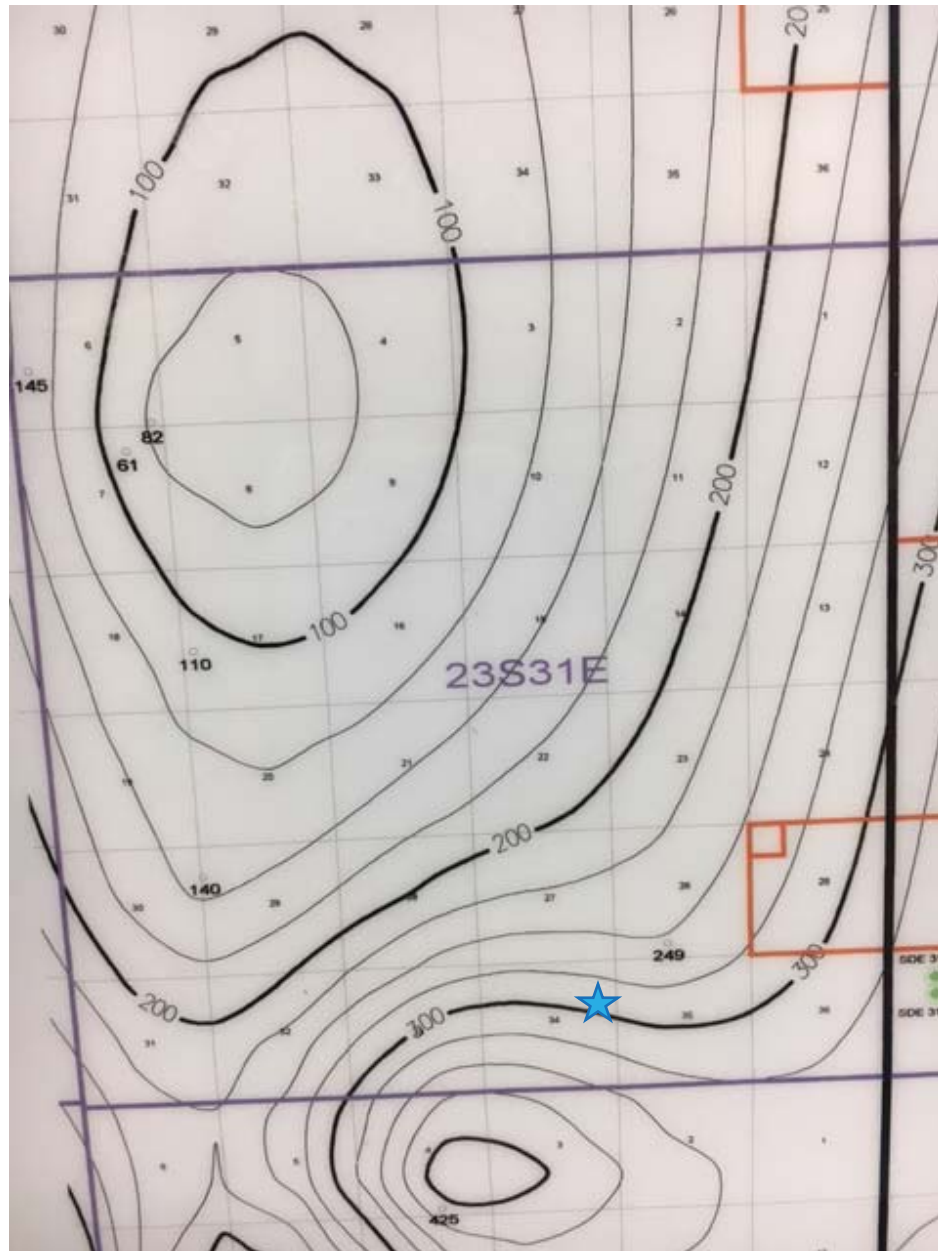




**Oxy, Sand Dunes 34 Federal #2 CTB**

**U/L H, Section 34, T23S, R31E**

**Groundwater: 300'**





USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

New Mexico

GO

Click to hide News Bulletins

- [Please see news on new formats](#)
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 321609103445901

Minimum number of levels = 1

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

### USGS 321609103445901 23S.31E.26.34411

Eddy County, New Mexico

Latitude 32°16'11.9", Longitude 103°45'01.2" NAD83

Land-surface elevation 3,451.00 feet above NGVD29

The depth of the well is 365 feet below land surface.

This well is completed in the Dewey Lake Redbeds (312DYLK) 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 measurment
1959-02-04		D	256.87			2	P		U	
1972-09-20		D	250.47			2			U	
1988-03-17		D	249.02			2			S	
2013-01-16	17:00 MST	m	101.55			2	P		S	USGS
2013-02-14	08:00 MST	m					P		S	USGS

#### Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy		Not determined
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	P	Site was being pumped.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined

Section	Code	Description
Measuring agency	USGS	U.S. Geological Survey
<a href="#">Source of measurement</a>	R	<a href="#">Reported by person other than the owner, driller, or another government agency.</a>
Source of measurement	S	Measured by personnel of reporting agency.
<a href="#">Source of measurement</a>	U	<a href="#">Source is unknown.</a>
Water-level approval status	A	Approved for publication -- Processing and review completed.
Water-level approval status	P	Provisional data subject to revision.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

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

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



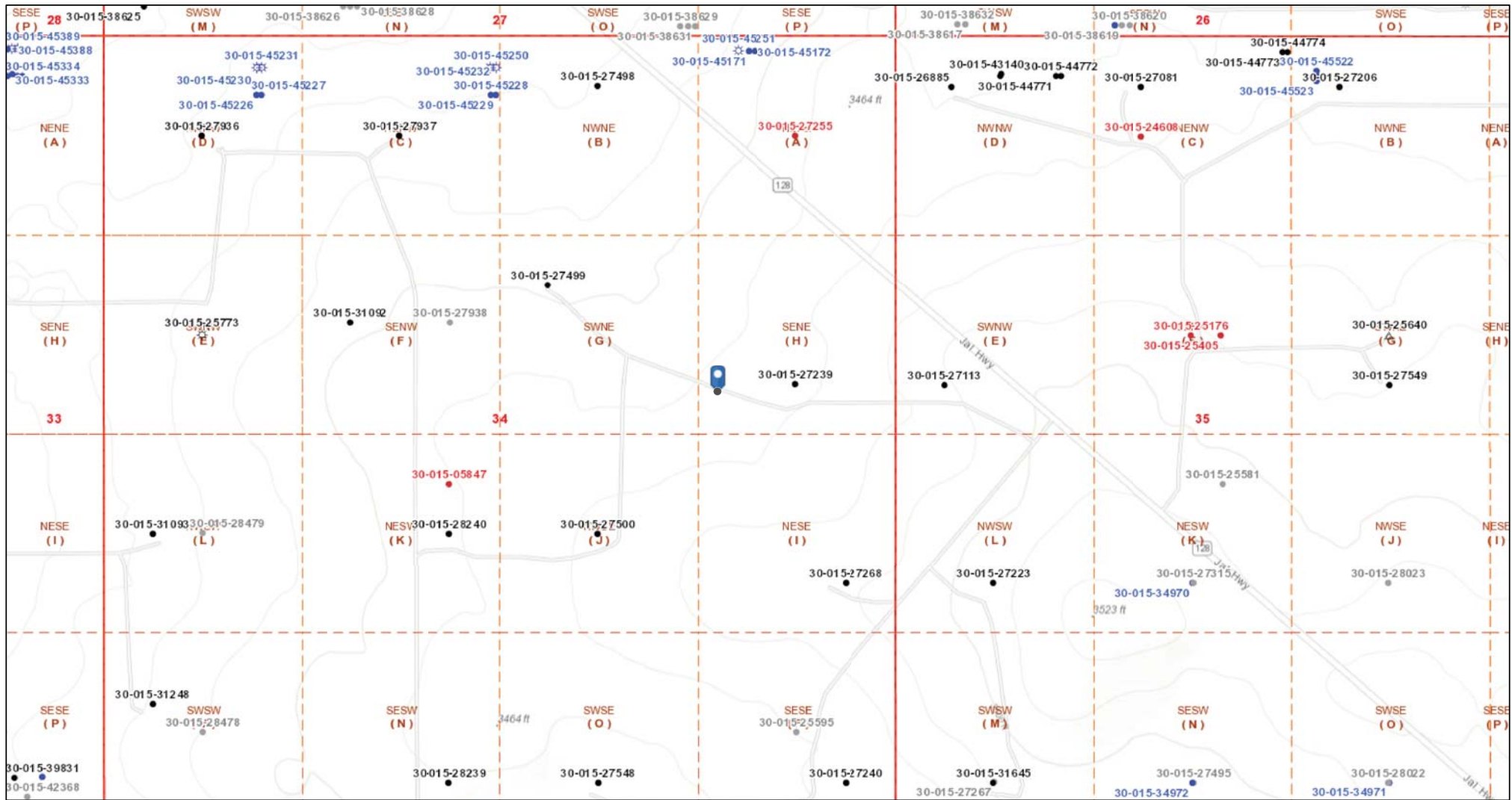
Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2019-02-07 17:58:23 EST

0.47 0.43 nadww01



# Sand Dunes 34 Federal #2 CTB, Topo Map with Water Features



2/7/2019 3:53:18 PM

1:9,028

Well Locations - Small Scale

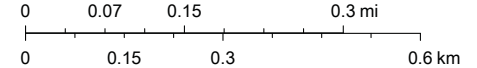
Well Locations - Large Scale

- Active
- New
- Plugged
- Cancelled
- Temporarily Abandoned
- 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

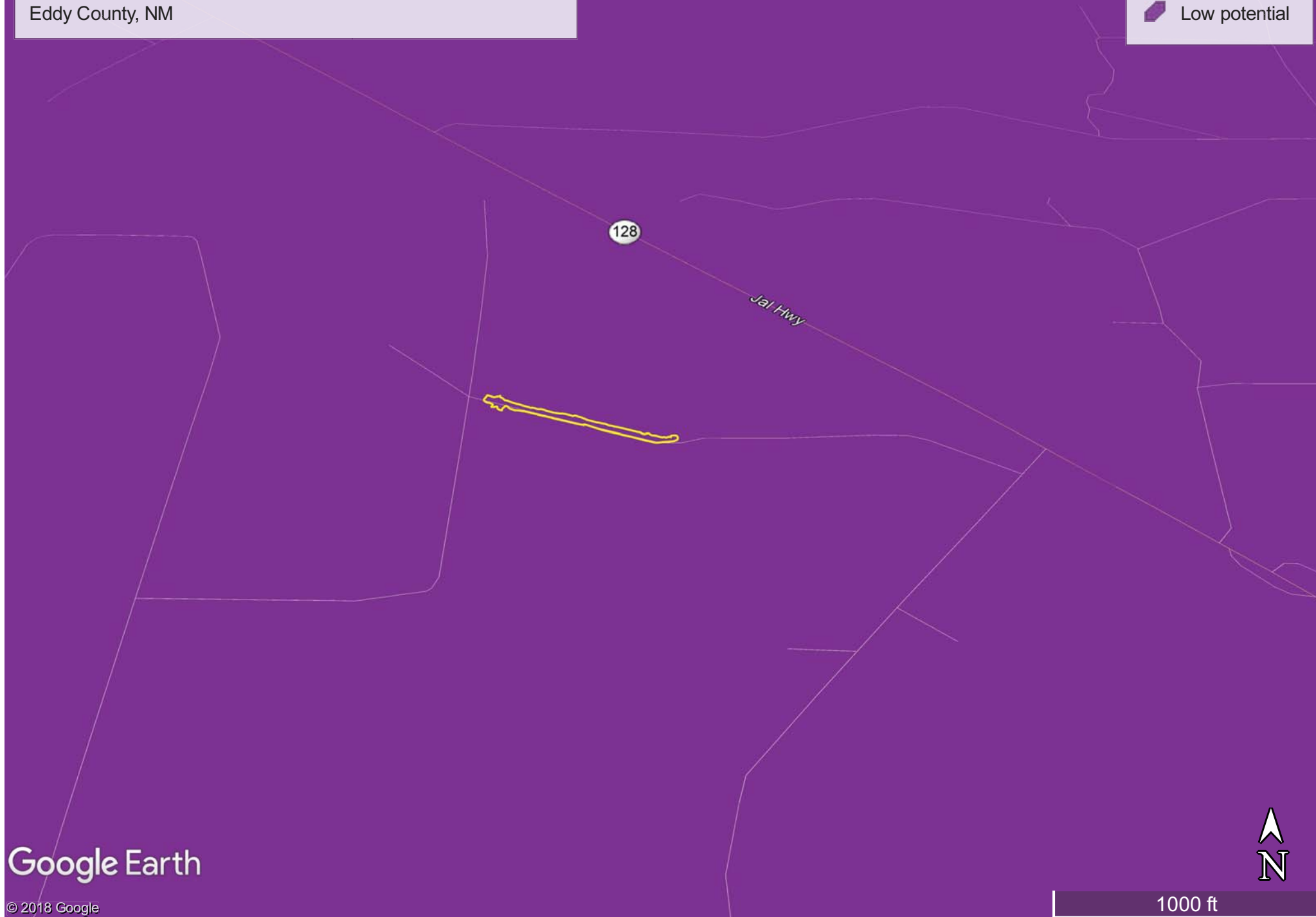
# Oxy, Sand Dunes 34 Federal #2 CTB

Leak date: 2/5/19  
Eddy County, NM

## BLM CAVE KARST MAP

### Legend

-  Leak Area
-  Low potential



Google Earth

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# National Flood Hazard Layer FIRMMette



## 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
		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 **2/7/2019 at 6:08:05 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.

32°15'57.26"N



USGS The National Map: Orthoimagery. Data refreshed October, 2017.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

32°15'26.83"N

103°45'20.66"W



Laboratory Analytical Results Summary  
Sand Dunes 34 Federal #2 CTB (2/5/19)

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	4/24/19	4/24/19	4/24/19	4/24/19	4/24/19	4/24/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		80	2360	912	560	80	96
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'	SP2 @ 8'
Analyte	Method	Date	4/24/19	4/24/19	4/24/19	4/24/19	4/24/19	4/24/19	4/24/19	4/24/19	4/24/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		176	3120	3200	880	2440	2840	1360	64	96
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	4/24/19	4/24/19	4/24/19	4/24/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		2000	2960	80	80
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a

		Sample ID	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	4/24/19	4/24/19	4/24/19	4/24/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		3600	1760	32	64
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a

Laboratory Analytical Results Summary  
Sand Dunes 34 Federal #2 CTB (2/5/19)

		Sample ID	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	4/24/19	4/24/19	4/24/19	4/24/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		1810	512	48	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a

		Sample ID	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	4/24/19	4/24/19	4/24/19	4/24/19
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		1180	1040	80	80
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a

		Sample ID	SP7 @ SURFACE	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2960	368	192
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP8 @ SURFACE	SP8 @ 1'	SP8 @ 2'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1680	96	64
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

Laboratory Analytical Results Summary  
Sand Dunes 34 Federal #2 CTB (2/5/19)

		Sample ID	SP9 @ SURFACE	SP9 @ 1'	SP9 @ 2'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2840	464	240
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP10 @ SURFACE	SP10 @ 1'	SP10 @ 2'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1680	80	48
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP11 @ SURFACE	SP11 @ 1'	SP11 @ 2'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2480	48	80
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP12 @ SURFACE	SP12 @ 1'	SP12 @ 2'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		4800	784	544
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0



Laboratory Analytical Results Summary  
Sand Dunes 34 Federal #2 CTB (2/5/19)

		Sample ID	SP13 @ SURFACE	SP13 @ 1'	SP13 @ 2'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<b>0.059</b>
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<b>6480</b>	<b>208</b>	<b>144</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP14 @ SURFACE	SP14 @ 1'	SP14 @ 2'	SP14 @ 3'	SP14 @ 4'	SP14 @ 7'	SP14 @ 9'	SP14 @ 10'	SP14 @ 11'
Analyte	Method	Date	4/25/19	4/25/19	4/25/19	4/25/19	4/25/19	4/25/19	4/26/19	4/26/19	4/26/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		<b>19600</b>	<b>4880</b>	<b>5400</b>	<b>5800</b>	<b>11000</b>	<b>4120</b>	<b>2880</b>	<b>96</b>	<b>80</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<b>56.8</b>	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP15 @ SURFACE	SP15 @ 1'	SP15 @ 2'	SP15 @ 3'	SP15 @ 4'	SP15 @ 7'	SP15 @ 9'	SP15 @ 10'	SP15 @ 11'
Analyte	Method	Date	4/26/19	4/26/19	4/26/19	4/26/19	4/26/19	4/26/19	4/26/19	4/26/19	4/26/19
			mg/kg	mg/kg	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	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		<b>42000</b>	<b>5440</b>	<b>2040</b>	<b>6560</b>	<b>2920</b>	<b>1470</b>	<b>944</b>	<b>32</b>	<b>48</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<b>38</b>	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	4/26/19	4/26/19	4/26/19	4/26/19
			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		<b>96</b>	<b>64</b>	<b>64</b>	<b>48</b>
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

May 06, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SAND DUNES 34 FED #2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/29/19 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ SUR (H901534-01)**

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	05/01/2019	ND	1.89	94.4	2.00	4.16	
Toluene*	<0.050	0.050	05/01/2019	ND	1.92	96.0	2.00	2.53	
Ethylbenzene*	<0.050	0.050	05/01/2019	ND	1.94	97.2	2.00	0.662	
Total Xylenes*	<0.150	0.150	05/01/2019	ND	5.50	91.7	6.00	0.846	
Total BTX	<0.300	0.300	05/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.6 % 73.3-129

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	05/04/2019	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	05/01/2019	ND	207	104	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	206	103	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 95.5 % 41-142

Surrogate: 1-Chlorooctadecane 96.1 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 1 @ 1 (H901534-02)**

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	05/01/2019	ND	1.89	94.4	2.00	4.16		
Toluene*	<0.050	0.050	05/01/2019	ND	1.92	96.0	2.00	2.53		
Ethylbenzene*	<0.050	0.050	05/01/2019	ND	1.94	97.2	2.00	0.662		
Total Xylenes*	<0.150	0.150	05/01/2019	ND	5.50	91.7	6.00	0.846		
Total BTEx	<0.300	0.300	05/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 82.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	05/04/2019	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	05/01/2019	ND	207	104	200	3.32	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	206	103	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 92.7 % 41-142

Surrogate: 1-Chlorooctadecane 94.0 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	04/29/2019	Sampling Date:	04/24/2019
Reported:	05/06/2019	Sampling Type:	Soil
Project Name:	SAND DUNES 34 FED #2 CTB	Sampling Condition:	Cool & Intact
Project Number:	2-5-19	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 1 @ 2 (H901534-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 1 @ 3 (H901534-04)**

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	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 1 @ 4 (H901534-05)**

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	05/04/2019	ND	400	100	400	0.00		

**Sample ID: SP 1 @ 5 (H901534-06)**

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	05/04/2019	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ SUR (H901534-07)**

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	05/01/2019	ND	1.89	94.4	2.00	4.16		
Toluene*	<0.050	0.050	05/01/2019	ND	1.92	96.0	2.00	2.53		
Ethylbenzene*	<0.050	0.050	05/01/2019	ND	1.94	97.2	2.00	0.662		
Total Xylenes*	<0.150	0.150	05/01/2019	ND	5.50	91.7	6.00	0.846		
Total BTX	<0.300	0.300	05/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 79.7 % 73.3-129

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	05/04/2019	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	04/30/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	04/30/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	04/30/2019	ND					

Surrogate: 1-Chlorooctane 94.1 % 41-142

Surrogate: 1-Chlorooctadecane 96.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received:	04/29/2019	Sampling Date:	04/24/2019
Reported:	05/06/2019	Sampling Type:	Soil
Project Name:	SAND DUNES 34 FED #2 CTB	Sampling Condition:	Cool & Intact
Project Number:	2-5-19	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 2 @ 1 (H901534-08)**

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	05/01/2019	ND	1.89	94.4	2.00	4.16		
Toluene*	<0.050	0.050	05/01/2019	ND	1.92	96.0	2.00	2.53		
Ethylbenzene*	<0.050	0.050	05/01/2019	ND	1.94	97.2	2.00	0.662		
Total Xylenes*	<0.150	0.150	05/01/2019	ND	5.50	91.7	6.00	0.846		
Total BTEx	<0.300	0.300	05/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 81.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	05/04/2019	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	04/30/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	04/30/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	04/30/2019	ND					

Surrogate: 1-Chlorooctane 95.1 % 41-142

Surrogate: 1-Chlorooctadecane 98.1 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 2 (H901534-09)**

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	05/01/2019	ND	1.89	94.4	2.00	4.16	
Toluene*	<0.050	0.050	05/01/2019	ND	1.92	96.0	2.00	2.53	
Ethylbenzene*	<0.050	0.050	05/01/2019	ND	1.94	97.2	2.00	0.662	
Total Xylenes*	<0.150	0.150	05/01/2019	ND	5.50	91.7	6.00	0.846	
Total BTEx	<0.300	0.300	05/01/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	05/04/2019	ND	400	100	400	0.00	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	04/30/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	04/30/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	04/30/2019	ND					

Surrogate: 1-Chlorooctane 94.9 % 41-142

Surrogate: 1-Chlorooctadecane 98.1 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 3 (H901534-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	05/04/2019	ND	400	100	400	0.00		

**Sample ID: SP 2 @ 4 (H901534-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 2 @ 5 (H901534-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	05/04/2019	ND	400	100	400	0.00		

**Sample ID: SP 2 @ 6 (H901534-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 2 @ 7 (H901534-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/04/2019	ND	400	100	400	0.00	

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**Analytical Results For:**

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Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 2 @ 8 (H901534-15)****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>96.0</b>	16.0	05/04/2019	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ SUR (H901534-16)**

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	05/01/2019	ND	1.89	94.4	2.00	4.16		
Toluene*	<0.050	0.050	05/01/2019	ND	1.92	96.0	2.00	2.53		
Ethylbenzene*	<0.050	0.050	05/01/2019	ND	1.94	97.2	2.00	0.662		
Total Xylenes*	<0.150	0.150	05/01/2019	ND	5.50	91.7	6.00	0.846		
Total BTX	<0.300	0.300	05/01/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	05/04/2019	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	04/30/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	04/30/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	04/30/2019	ND					

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 1 (H901534-17)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188		
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23		
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64		
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77		
Total BTEx	<0.300	0.300	05/02/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	05/04/2019	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	04/30/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	04/30/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	04/30/2019	ND					

Surrogate: 1-Chlorooctane 97.0 % 41-142

Surrogate: 1-Chlorooctadecane 99.9 % 37.6-147

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**Analytical Results For:**

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 2 (H901534-18)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 73.3-129

Chloride, SM4500CI-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	05/04/2019	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	04/30/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	04/30/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	04/30/2019	ND					

Surrogate: 1-Chlorooctane 96.7 % 41-142

Surrogate: 1-Chlorooctadecane 99.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 3 @ 3 (H901534-19)****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>80.0</b>	16.0	05/04/2019	ND	400	100	400	0.00	

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ SUR (H901534-20)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188		
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23		
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64		
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77		
Total BTEx	<0.300	0.300	05/02/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	05/04/2019	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	05/01/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 93.5 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 1 (H901534-21)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 80.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	05/04/2019	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	05/01/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 94.4 % 41-142

Surrogate: 1-Chlorooctadecane 97.7 % 37.6-147

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Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 2 (H901534-22)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/04/2019	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	05/01/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 94.0 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 4 @ 3 (H901534-23)****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>64.0</b>	16.0	05/04/2019	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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ SUR (H901534-24)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188		
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23		
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64		
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77		
Total BTEx	<0.300	0.300	05/02/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1810	16.0	05/04/2019	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	05/01/2019	ND	207	103	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	201	101	200	8.04	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 92.4 % 41-142

Surrogate: 1-Chlorooctadecane 95.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

BBC International, Inc.  
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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 1 (H901534-25)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188		
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23		
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64		
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77		
Total BTEX	<0.300	0.300	05/02/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 75.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	05/04/2019	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	05/01/2019	ND	204	102	200	8.39	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	191	95.4	200	7.81	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 84.1 % 41-142

Surrogate: 1-Chlorooctadecane 80.7 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 2 (H901534-26)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEX	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/04/2019	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	05/01/2019	ND	204	102	200	8.39	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	191	95.4	200	7.81	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 88.4 % 41-142

Surrogate: 1-Chlorooctadecane 83.6 % 37.6-147

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P.O. Box 805  
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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 5 @ 3 (H901534-27)****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>32.0</b>	16.0	05/04/2019	ND	400	100	400	0.00	

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 6 @ SUR (H901534-28)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	05/04/2019	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	05/01/2019	ND	204	102	200	8.39	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	191	95.4	200	7.81	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 76.3 % 37.6-147

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BBC International, Inc.  
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Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 1 (H901534-29)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188		
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23		
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64		
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77		
Total BTEx	<0.300	0.300	05/02/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	05/04/2019	ND	400	100	400	0.00	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	05/01/2019	ND	204	102	200	8.39	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	191	95.4	200	7.81	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 87.6 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 2 (H901534-30)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 73.3-129

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	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 75.0 % 41-142

Surrogate: 1-Chlorooctadecane 73.5 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/24/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 6 @ 3 (H901534-31)**

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	05/04/2019	ND	400	100	400	0.00	

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 7 @ SUR (H901534-32)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 73.6 % 41-142

Surrogate: 1-Chlorooctadecane 73.2 % 37.6-147

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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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 7 @ 1 (H901534-33)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 77.2 % 41-142

Surrogate: 1-Chlorooctadecane 76.0 % 37.6-147

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\*=Accredited Analyte

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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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 7 @ 2 (H901534-34)**

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	05/02/2019	ND	1.89	94.6	2.00	0.188	
Toluene*	<0.050	0.050	05/02/2019	ND	1.98	99.2	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	5.87	97.8	6.00	3.77	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 76.6 % 41-142

Surrogate: 1-Chlorooctadecane 75.9 % 37.6-147

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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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 8 @ SUR (H901534-35)**

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	05/02/2019	ND	1.60	79.9	2.00	1.26	
Toluene*	<0.050	0.050	05/02/2019	ND	1.61	80.6	2.00	3.97	
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	1.59	79.3	2.00	7.40	
Total Xylenes*	<0.150	0.150	05/02/2019	ND	4.49	74.9	6.00	6.57	
Total BTEx	<0.300	0.300	05/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 76.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 72.6 % 41-142

Surrogate: 1-Chlorooctadecane 71.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 8 @ 1 (H901534-36)**

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	05/02/2019	ND	1.60	79.9	2.00	1.26		
Toluene*	<0.050	0.050	05/02/2019	ND	1.61	80.6	2.00	3.97		
Ethylbenzene*	<0.050	0.050	05/02/2019	ND	1.59	79.3	2.00	7.40		
Total Xylenes*	<0.150	0.150	05/02/2019	ND	4.49	74.9	6.00	6.57		
Total BTEx	<0.300	0.300	05/02/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 73.3-129

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	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 70.5 % 41-142

Surrogate: 1-Chlorooctadecane 69.5 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 8 @ 2 (H901534-37)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26	
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57	
Total BTEX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 74.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 79.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 9 @ SUR (H901534-38)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26		
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57		
Total BTEx	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 80.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 77.8 % 41-142

Surrogate: 1-Chlorooctadecane 77.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 9 @ 1 (H901534-39)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26	
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57	
Total BTEx	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 81.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 78.6 % 41-142

Surrogate: 1-Chlorooctadecane 78.7 % 37.6-147

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 9 @ 2 (H901534-40)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26	
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57	
Total BTX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 80.1 % 73.3-129

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	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 79.6 % 41-142

Surrogate: 1-Chlorooctadecane 79.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 10 @ SUR (H901534-41)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26	
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57	
Total BTX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 76.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 72.9 % 41-142

Surrogate: 1-Chlorooctadecane 72.8 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 10 @ 1 (H901534-42)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26	
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57	
Total BTEX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 77.5 % 73.3-129

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	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 77.7 % 41-142

Surrogate: 1-Chlorooctadecane 77.4 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 10 @ 2 (H901534-43)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26		
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 78.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 78.1 % 41-142

Surrogate: 1-Chlorooctadecane 78.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

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Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 11 @ SUR (H901534-44)**

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	05/03/2019	ND	1.60	79.9	2.00	1.26	
Toluene*	<0.050	0.050	05/03/2019	ND	1.61	80.6	2.00	3.97	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.59	79.3	2.00	7.40	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	4.49	74.9	6.00	6.57	
Total BTX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 71.2 % 41-142

Surrogate: 1-Chlorooctadecane 70.8 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 11 @ 1 (H901534-45)**

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	05/03/2019	ND	2.21	111	2.00	3.42	
Toluene*	<0.050	0.050	05/03/2019	ND	2.26	113	2.00	3.81	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	2.10	105	2.00	1.91	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	6.38	106	6.00	1.98	
Total BTX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 75.4 % 41-142

Surrogate: 1-Chlorooctadecane 75.6 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 11 @ 2 (H901534-46)**

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	05/03/2019	ND	2.21	111	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2019	ND	2.26	113	2.00	3.81		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	2.10	105	2.00	1.91		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	6.38	106	6.00	1.98		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 73.3-129

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	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 77.6 % 41-142

Surrogate: 1-Chlorooctadecane 78.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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Hobbs NM, 88241  
Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 12 @ SUR (H901534-47)**

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	05/03/2019	ND	2.21	111	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2019	ND	2.26	113	2.00	3.81		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	2.10	105	2.00	1.91		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	6.38	106	6.00	1.98		
Total BTEx	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 74.9 % 41-142

Surrogate: 1-Chlorooctadecane 74.3 % 37.6-147

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**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 12 @ 1 (H901534-48)**

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	05/03/2019	ND	2.21	111	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2019	ND	2.26	113	2.00	3.81		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	2.10	105	2.00	1.91		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	6.38	106	6.00	1.98		
Total BTEx	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 73.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.3 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 12 @ 2 (H901534-49)**

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	05/03/2019	ND	2.21	111	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2019	ND	2.26	113	2.00	3.81		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	2.10	105	2.00	1.91		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	6.38	106	6.00	1.98		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	05/04/2019	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	05/01/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/01/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/01/2019	ND					

Surrogate: 1-Chlorooctane 76.7 % 41-142

Surrogate: 1-Chlorooctadecane 76.5 % 37.6-147

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 13 @ SUR (H901534-50)**

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	05/03/2019	ND	2.21	111	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2019	ND	2.26	113	2.00	3.81		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	2.10	105	2.00	1.91		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	6.38	106	6.00	1.98		
Total BTEx	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	05/04/2019	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	05/02/2019	ND	213	107	200	5.31	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	209	105	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 72.4 % 41-142

Surrogate: 1-Chlorooctadecane 72.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 13 @ 1 (H901534-51)**

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	05/03/2019	ND	2.21	111	2.00	3.42	
Toluene*	<0.050	0.050	05/03/2019	ND	2.26	113	2.00	3.81	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	2.10	105	2.00	1.91	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	6.38	106	6.00	1.98	
Total BTX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 76.6 % 41-142

Surrogate: 1-Chlorooctadecane 75.5 % 37.6-147

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**Analytical Results For:**

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 13 @ 2 (H901534-52)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68	
Toluene*	0.059	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75	
Total BTX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 73.3-129

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	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 74.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 14 @ SUR (H901534-53)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTEx	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	05/04/2019	ND	400	100	400	0.00	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	56.8	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 74.3 % 41-142

Surrogate: 1-Chlorooctadecane 76.8 % 37.6-147

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**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 14 @ 1 (H901534-54)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTEx	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 77.7 % 41-142

Surrogate: 1-Chlorooctadecane 78.5 % 37.6-147

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**Analytical Results For:**

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Fax To: (575) 397-0397

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/25/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 14 @ 2 (H901534-55)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68	
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75	
Total BTEx	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5400	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 74.3 % 41-142

Surrogate: 1-Chlorooctadecane 75.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 04/29/2019  
 Reported: 05/06/2019  
 Project Name: SAND DUNES 34 FED #2 CTB  
 Project Number: 2-5-19  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 04/25/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SP 14 @ 3 (H901534-56)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5800	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 14 @ 4 (H901534-57)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 14 @ 7 (H901534-58)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4120	16.0	05/04/2019	ND	400	100	400	0.00		

**Sample ID: SP 14 @ 9 (H901534-59)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 14 @ 10 (H901534-60)**

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	05/04/2019	ND	400	100	400	0.00	

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**Analytical Results For:**

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

Received:	04/29/2019	Sampling Date:	04/26/2019
Reported:	05/06/2019	Sampling Type:	Soil
Project Name:	SAND DUNES 34 FED #2 CTB	Sampling Condition:	Cool & Intact
Project Number:	2-5-19	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 14 @ 11 (H901534-61)**

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	05/04/2019	ND	400	100	400	0.00		

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**Analytical Results For:**

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

Received:	04/29/2019	Sampling Date:	04/26/2019
Reported:	05/06/2019	Sampling Type:	Soil
Project Name:	SAND DUNES 34 FED #2 CTB	Sampling Condition:	Cool & Intact
Project Number:	2-5-19	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

**Sample ID: SP 15 @ SUR (H901534-62)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	42000	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	38.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 75.5 % 41-142

Surrogate: 1-Chlorooctadecane 78.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 15 @ 1 (H901534-63)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 73.9 % 41-142

Surrogate: 1-Chlorooctadecane 74.0 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 15 @ 2 (H901534-64)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 75.2 % 41-142

Surrogate: 1-Chlorooctadecane 74.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 15 @ 3 (H901534-65)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 76.3 % 41-142

Surrogate: 1-Chlorooctadecane 76.5 % 37.6-147

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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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SP 15 @ 4 (H901534-66)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	05/04/2019	ND	400	100	400	0.00		

**Sample ID: SP 15 @ 7 (H901534-67)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 15 @ 9 (H901534-68)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 15 @ 10 (H901534-69)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/04/2019	ND	400	100	400	0.00	

**Sample ID: SP 15 @ 11 (H901534-70)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/04/2019	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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: NORTH (H901534-71)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTEx	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 73.3-129

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	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 78.7 % 41-142

Surrogate: 1-Chlorooctadecane 76.8 % 37.6-147

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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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: EAST (H901534-72)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/04/2019	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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 75.0 % 41-142

Surrogate: 1-Chlorooctadecane 74.1 % 37.6-147

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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: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: WEST (H901534-73)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68	
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89	
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01	
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75	
Total BTX	<0.300	0.300	05/03/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/06/2019	ND	432	108	400	3.77		

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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 75.6 % 41-142

Surrogate: 1-Chlorooctadecane 74.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

Received: 04/29/2019  
Reported: 05/06/2019  
Project Name: SAND DUNES 34 FED #2 CTB  
Project Number: 2-5-19  
Project Location: EDDY COUNTY, NM

Sampling Date: 04/26/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SOUTH (H901534-74)**

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	05/03/2019	ND	1.61	80.3	2.00	2.68		
Toluene*	<0.050	0.050	05/03/2019	ND	1.71	85.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	05/03/2019	ND	1.68	83.8	2.00	3.01		
Total Xylenes*	<0.150	0.150	05/03/2019	ND	5.09	84.8	6.00	3.75		
Total BTX	<0.300	0.300	05/03/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/06/2019	ND	432	108	400	3.77		

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	05/02/2019	ND	217	109	200	1.80	
DRO >C10-C28*	<10.0	10.0	05/02/2019	ND	203	101	200	14.8	
EXT DRO >C28-C36	<10.0	10.0	05/02/2019	ND					

Surrogate: 1-Chlorooctane 77.2 % 41-142

Surrogate: 1-Chlorooctadecane 76.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Relinquished By: <i>[Signature]</i> Date: <i>7-29-19</i> Time: <i>2</i>		Received By: Date: <i>7-29-19</i> Time: <i>16:50</i> <i>Jodi Benson</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS:	
Relinquished By: <i>[Signature]</i> Date: <i>7-29-19</i> Time: <i>16:50</i>		Received By: <i>Jodi Benson</i>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>4.40e / #97</i>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) <i>[Signature]</i>	

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: <i>V. H. D...</i> Date: <i>7-29-17</i> Time:		Received By: Date: <i>7-29-17</i> Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	
Relinquished By: <i>V. H. D...</i> Date: <i>7-29-17</i> Time:		Received By: <i>Godi Henson</i> Date: <i>7-29-17</i> Time: <i>16:50</i>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>4.42 / #97</i>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <i>[Signature]</i>	

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**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

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

3/8

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CI</div> </div>																			
Address: P.O. Box 805				Company:																							
City: Hobbs State: NM Zip: 88241				Attn:																							
Phone #: 575-397-6388 Fax #: 575-397-0397				Address: OKy																							
Project #: Project Owner: OKy				City:																							
Project Name: Sand Dunes 34-2 2-5-19				State: Zip:																							
Project Location: 12E				Phone #:																							
Sampler Name: 16				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H901534																											
21	sp 9e 1	G	1			X				X			4-24	144	X	X	X										
22	2	G	1			X				X				155	X	X	X										
23	3	G	1			X				X				209	X	X	X										
24	sp 5e 5ur	G	1			X				X				222	X	X	X										
25		G	1			X				X				239	X	X	X										
26	2	G	1			X				X				251	X	X	X										
27	3	G	1			X				X				311	X	X	X										
28	sp 6e 5ur	G	1			X				X				315	X	X	X										
29	1	G	1			X				X				318	X	X	X										
30	2	G	1			X				X				328	X	X	X										

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Relinquished By:	Date: 4-29-19	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 4-29-19	Received By:	REMARKS:	
	Time: 16:50	godu henson		
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: 4.4c / #97	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	gfh		

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**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

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

4/8

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CK</div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs State: NM Zip: 88241				Attn:															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Oxy				City:															
Project Name: Sene Dinos 342 2-579				State: Zip:															
Project Location: 128				Phone #:															
Sampler Name: ✓				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					
HAD1534																			
31	sp103	G	1			X				X			4-24	325					
32	sp70scr	G	1			X				X			9-25	901	X	X			
33		G	1			X				X				915	X	X			
34		G	1			X				X				933	X	X			
35	sp80scr	G	1			X				X				940	X	X			
36		G	1			X				X				958	X	X			
37		G	1			X				X				1020	X	X			
38	sp90scr	G	1			X				X				1030	X	X			
39		G	1			X				X				1046	X	X			
40	2	G	1			X				X				1058	X	X			

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Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 4/19/19	Received By: Jodi Benson	REMARKS:	
	Time: 16:50			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: 4.48/ #97		Cool Intact	(Initials)	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	gjt	

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**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**5/0  
0

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C14</div> </div>																			
Address: P.O. Box 805				Company:																							
City: Hobbs State: NM Zip: 88241				Attn:																							
Phone #: 575-397-6388 Fax #: 575-397-0397				Address: <i>OK</i>																							
Project #:				City:																							
Project Name: <i>Send Dinos 29-2 2-5-19</i>				State: Zip:																							
Project Location: <i>128</i>				Phone #:																							
Sampler Name: <i>✓</i>				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
<i>H9D1534</i>																											
<i>41</i>	<i>Sp 10 SUR</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>			<i>4-25</i>	<i>1111</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>42</i>	<i>1</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1115</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>43</i>	<i>2</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1129</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>44</i>	<i>Sp 11 SUR</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1133</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>45</i>	<i>1</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1144</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>46</i>	<i>2</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1155</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>47</i>	<i>Sp 12 SUR</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1159</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>48</i>	<i>1</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>1212</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>49</i>	<i>2</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>101</i>	<i>X</i>	<i>X</i>	<i>X</i>										
<i>50</i>	<i>Sp 13 SUR</i>	<i>✓</i>	<i>1</i>			<i>X</i>				<i>X</i>				<i>105</i>	<i>X</i>	<i>X</i>	<i>X</i>										

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Relinquished By: <i>[Signature]</i>	Date: <i>4-29-19</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>	Date: <i>4-29-19</i>	Received By: <i>[Signature]</i>	REMARKS:	
	Time: <i>10:50</i>			
Delivered By: (Circle One)				
Sampler - UPS - Bus - Other: <i>4.40c / #97</i>	Sample Condition	CHECKED BY: <i>[Signature]</i>		
	Cool Intact	(Initials)		
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

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**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

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

6/8

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> </div>											
Address: P.O. Box 805				Company:															
City: Hobbs State: NM Zip: 88241				Attn:															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Oxy				City:															
Project Name: Sand Dunes 34-2				State: Zip:															
Project Location: 12 E				Phone #:															
Sampler Name: 16				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G/RAB OR C) OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
H9D1534																			
51	Sp1301	G	1			X				X			4-25	111	X	X	X		
52	2	G	1			X				X				119	X	X	X		
53	Sp140542	G	1			X				X				125	X	X	X		
54	1	G	1			X				X				132	X	X	X		
55	2	G	1			X				X				142	X	X	X		
56	3	G	1			X				X				152	X	X	X		
57	4	G	1			X				X				209			X		
58	7	G	1			X				X				301			X		
59	9	G	1			X				X				4-26	952			X	
60	10	G	1			X				X			4-26	1018			X		

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Relinquished By:	Date: 4-29-19 Time:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: 4-29-19 Time: 16:56	Received By: Jodi Henson	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One)	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY:	REMARKS:
Sampler - UPS - Bus - Other: 4.42 / #97			

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1-</div> </div>																					
Address: P.O. Box 805				Company:																									
City: Hobbs		State: NM Zip: 88241		Attn:																									
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																									
Project #:		Project Owner: Oxy		City:																									
Project Name: Sand Dunes 34-2				State: Zip:																									
Project Location: 128				Phone #:																									
Sampler Name: 10				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS				MATRIX				PRESERV.		SAMPLING															
								GROUNDWATER																					
								WASTEWATER																					
								SOIL																					
								OIL																					
								SLUDGE																					
								OTHER :																					
								ACID/BASE:																					
								ICE / COOL																					
								OTHER :																					
												DATE		TIME															
H901534		Sp14e 11		G								X		1-26		1039		X											
61		Sp15e 5e		G								X				1055		X											
62				G								X				1111		X											
63				G								X				1125		X											
64		2		G								X				1139		X											
65		3		G								X				1157		X											
66		4		G								X				101		X											
67		7		G								X				130		X											
68		9		G								X				145		X											
69		10		G								X				155		X											
70		11		G								X																	

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Relinquished By: <i>✓ HDS</i>		Date: <i>4-29-19</i>		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By: <i>✓ HDS</i>		Date: <i>4-29-19</i>		Received By: <i>Jodi Benson</i>		REMARKS:			
		Time: <i>11:50</i>							
Delivered By: (Circle One)									
Sampler - UPS - Bus - Other: <i>4.42 / #97</i>		Sample Condition		CHECKED BY:					
		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<i>[Signature]</i>			

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# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

0/0  
6/0

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: OXY Project Name: Sand Dunes 342 Project Location: 120 Sampler Name: ✓				<b>BILL TO</b> P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:				<b>ANALYSIS REQUEST</b>																			
FOR LAB USE ONLY Lab I.D. Sample I.D. H901534 71 North 12 East 73 West 74 South				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE ICE / COOL OTHER:				SAMPLING DATE TIME				TPHT Extended 13 TEX 11-											
(GIRAB OR (C)OMP # CONTAINERS G 1 G 1 G 1 C 1				X X X X				X X X X				4-26 ↓				X X X X X X X X X X X X											

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Relinquished By: <i>JHKQS</i> Date: 4-29-19 Time:		Received By: Date: 4-29-19 Time: 16:50 <i>Jodi Henson</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	
Relinquished By: <i>JH OJ</i> Delivered By: (Circle One) Sampler - UPS - Bus - Other: 4.42 / #97		Sample Condition Cool - Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: <i>JH</i>	

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