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DELINEATION/REMEDIATION WORKPLAN

OXY – RED TANK 31-5H (Leak Date: 10/8/20)

Incident Reference #: NRM2030954654

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2030954654.

The following information includes:

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

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

OXY will excavate the spill area as depicted on the following site diagram.

The leak area near SP1, SP2, SP6 – SP15, SP18 and SP19 (purple shade on diagram) will be excavated to a depth of 4 feet. OXY requests a variance per 19.15.29.14 NMAC to install an impermeable liner (20 mil plastic) into the bottom of the excavation. This variance is requested due to the safety concerns of a deeper excavation and the liner will be protective of further migration of the chloride impact. The leak area near SP3 – SP5 and SP16 – SP17 (light blue shade on diagram) will require zero remediation.

In addition, OXY requests to collect only sidewall confirmation samples every 400 square feet since there will an impermeable liner in the bottom and deeper sample data exists in this report. The estimated amount of soil to be excavated is 9,810 cubic yards. The remediation will be completed within 90 days of approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

ENVIRONMENTAL CONSULTING AND REMEDIATION SERVICES
HOBBS, NEW MEXICO • WEBSITE: www.bbcinternational.com • HOUSTON, TEXAS

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2015531569
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	388 (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 not 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.

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2015531569
District RP	
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: 2-5-21

email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NRM2015531569
District RP	
Facility ID	
Application ID	

Remediation Plan

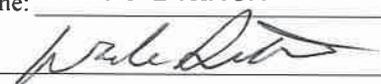
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
 Signature:  Date: 2-5-21
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Chad Hensley Date: 04/22/2021

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

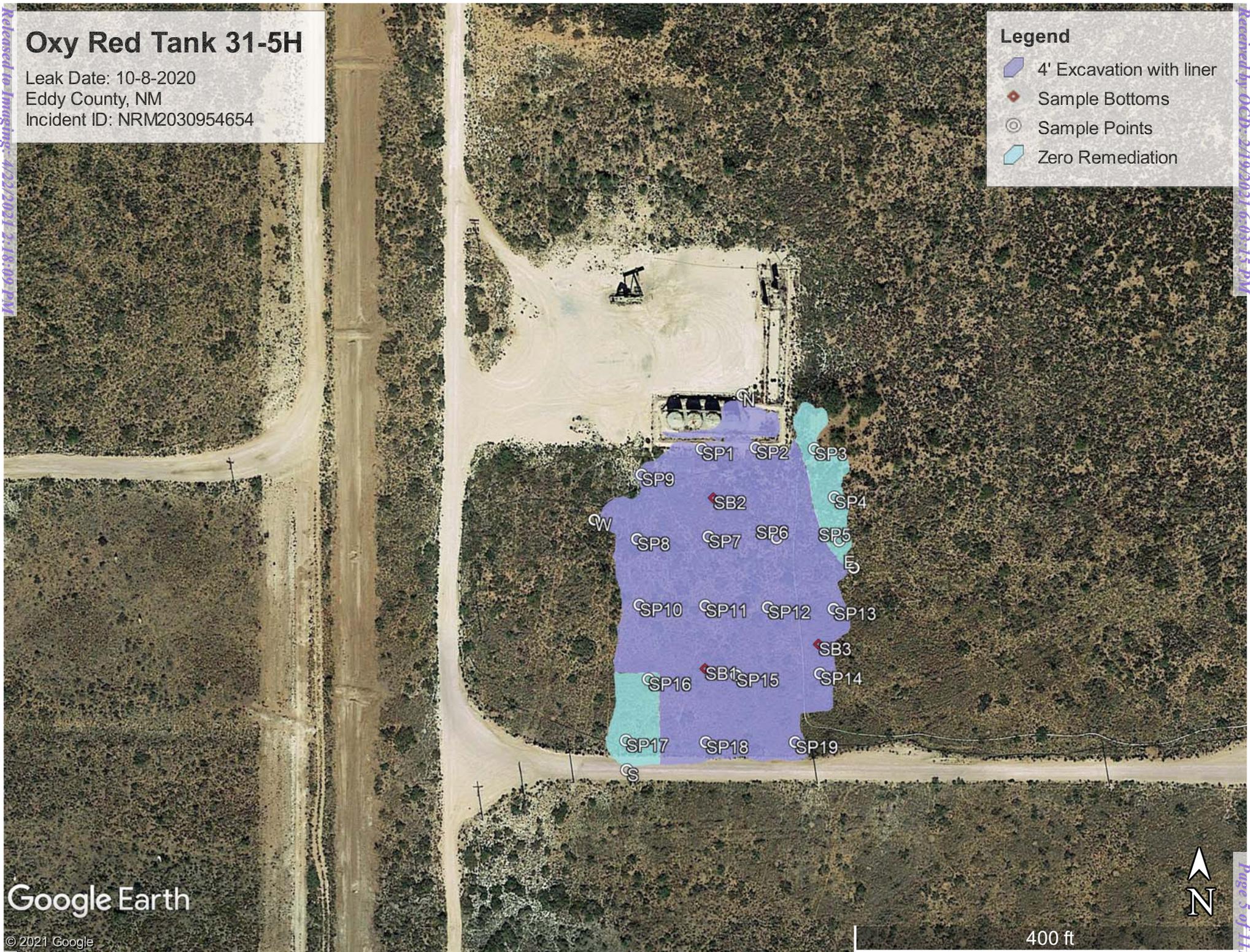
Signature:  Date: 04/22/2021

Oxy Red Tank 31-5H

Leak Date: 10-8-2020
Eddy County, NM
Incident ID: NRM2030954654

Legend

-  4' Excavation with liner
-  Sample Bottoms
-  Sample Points
-  Zero Remediation



400 ft

Oxy, Red Tank 31-5H (10-8-20)

Sample points

SP1, N 32.35425 W 103.61856

SP2, N 32.35425 W 103.61838

SP3, N 32.35425 W 103.61818

SP4, N 32.35411 W 103.61812

SP5, N 32.35399 W 103.61810

SP6, N 32.35400 W 103.61831

SP7, N 32.35400 W 103.61854

SP8, N 32.35400 W 103.61877

SP9, N 32.35418 W 103.61876

SP10, N 32.35381 W 103.61877

SP11, N 32.35381 W 103.61855

SP12, N 32.35381 W 103.61834

SP13, N 32.35380 W 103.61812

SP14, N 32.53562 W 103.61817

SP15, N 32.35362 W 103.61844

SP16, N 32.35361 W 103.61874

SP17, N 32.35343 W 103.61881

SP18, N 32.35343 W 103.61854

SP19, N 32.35343 W 103.61825

SB1, N 32.35364 W 103.61855

SB2, N 32.35411 W 103.61852

SB3, N 32.35370 W 103.61817

NORTH, N 32.35440 W 103.61842

EAST, N 32.35392 W 103.61805

WEST, N 32.35405 W 103.61891

SOUTH, N 32.35335 W 103.61881



USGS Home
 Contact USGS
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico

Click to hide News Bulletins

- **NOTICE** November 1, 2020 7:45 am ET: We are investigating some real-time data currently behind on the web.
 - **UPDATE** November 1, 7:15 pm ET: Real-time data delivery to NWISWeb has been restored at this time. We are continuing to monitor the situation for any further issues.
- Explore the **NEW USGS National Water Dashboard** to access real-time data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 322331103312701

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

USGS 322331103312701 22S.33E.13.14242

Lea County, New Mexico
 Latitude 32°23'31", Longitude 103°31'27" NAD27
 Land-surface elevation 3,507 feet above NAVD88
 The depth of the well is 490 feet below land surface.
 This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

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 measurement
1972-09-21		D	388.05			2	R	U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status	R	Site had been pumped recently.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

- [Questions about sites/data?](#)
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Title: Groundwater for New Mexico: Water Levels

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

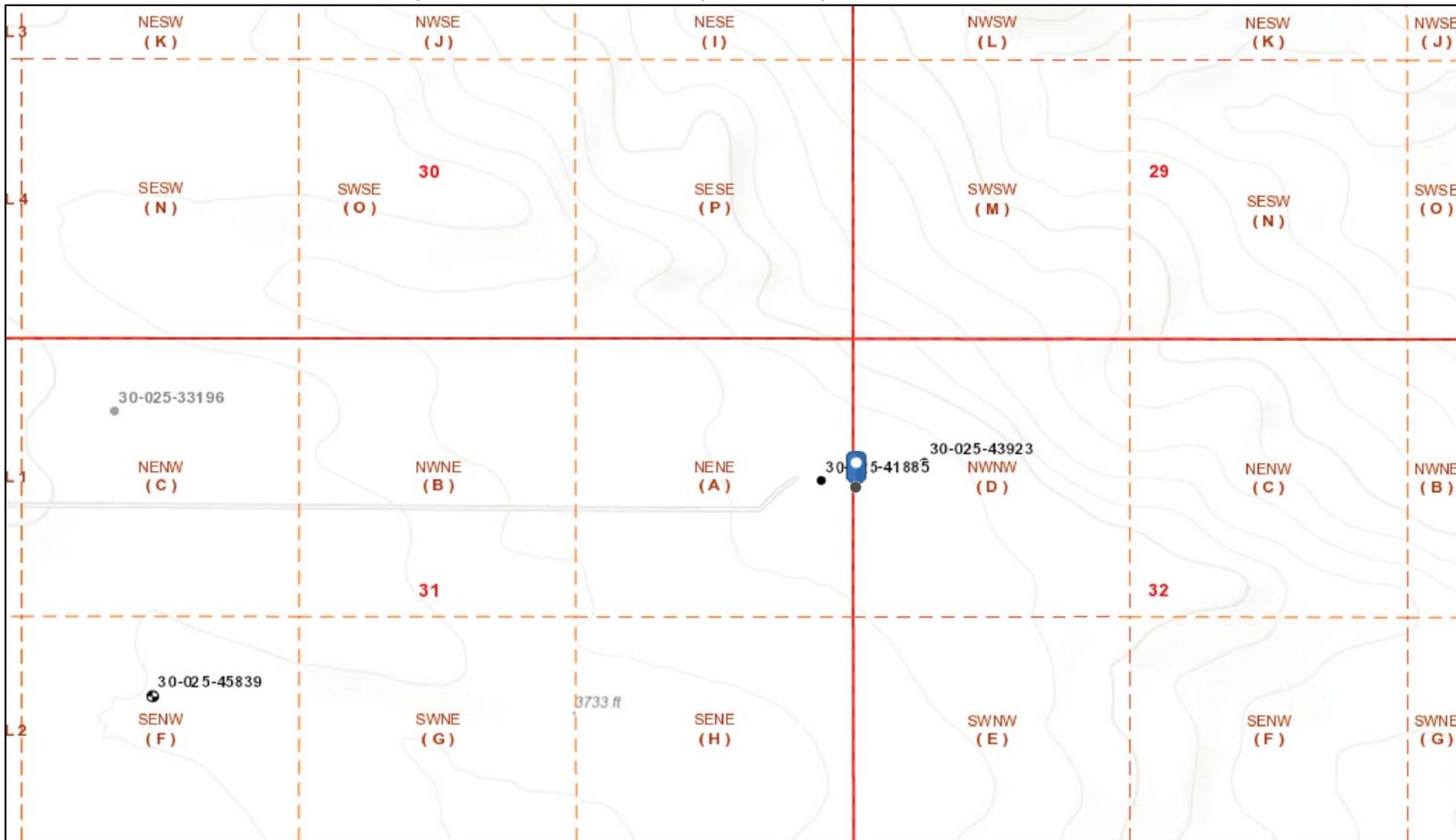


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-11-05 12:28:09 EST

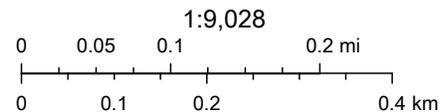
0.27 0.24 nadww02

Oxy Red Tank 31-5H (10-8-20) + 3,000 ft to h2o



10/19/2020, 2:16:19 PM

- | | | | | |
|---------------------|------------------------------|------------------|------------------------------|----------------------|
| Wells - Large Scale | ✳ CO2, Cancelled | ✳ Gas, Active | ✳ Gas, Temporarily Abandoned | 🔗 Injection, Plugged |
| ? undefined | ✳ CO2, New | ✳ Gas, Cancelled | 🔗 Injection, Active | |
| ● Miscellaneous | ✳ CO2, Plugged | ✳ Gas, New | 🔗 Injection, Cancelled | |
| ✳ CO2, Active | ✳ CO2, Temporarily Abandoned | ✳ Gas, Plugged | 🔗 Injection, New | |



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c)

New Mexico Oil Conservation Division

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

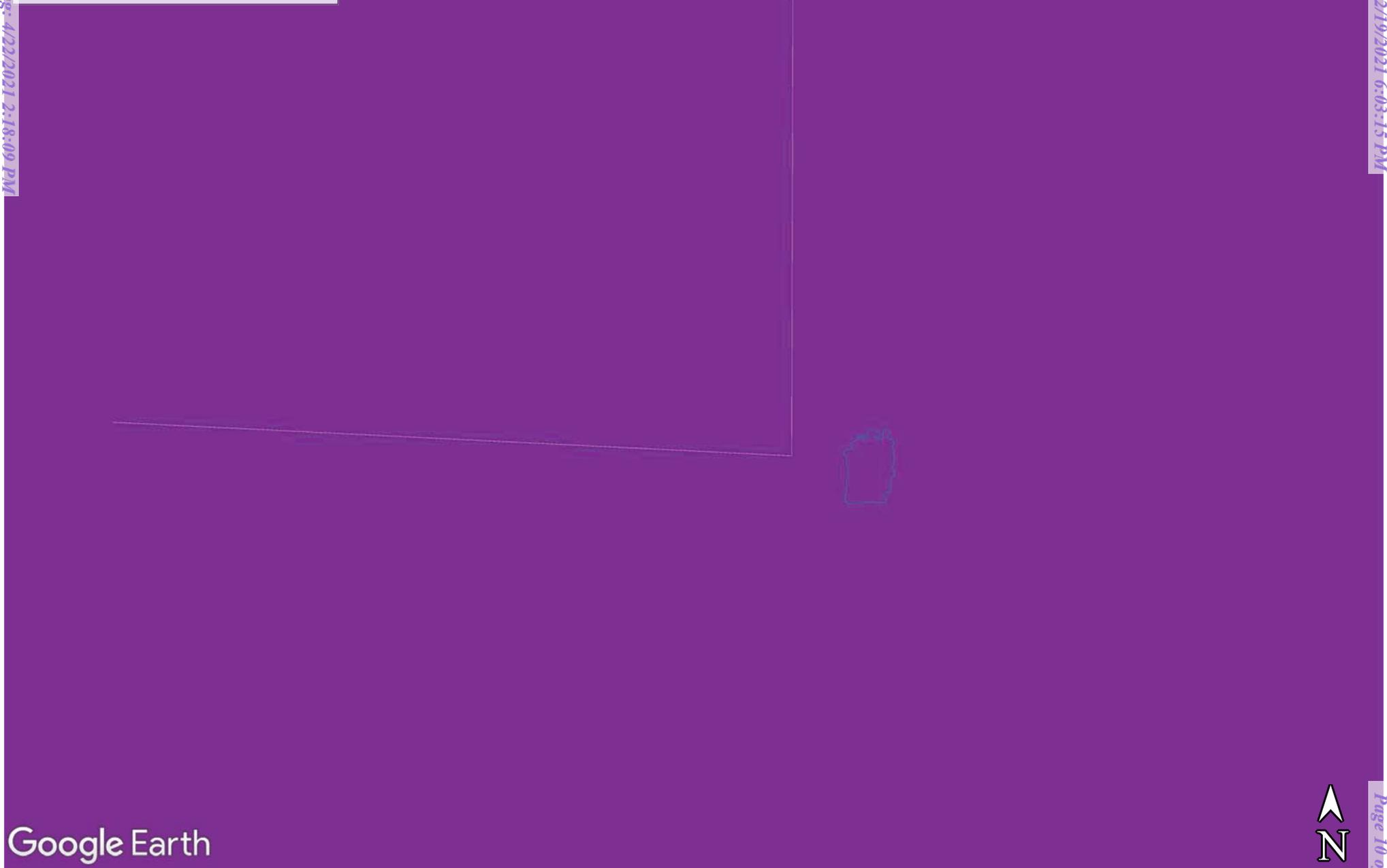
Oxy Red Tank 31-5

Leak Date: 10-8-2020
Lea County, NM
Incident ID: NRM2030954654

BLM CAVE KARST MAP

Legend

-  Leak Area
-  Low Potential



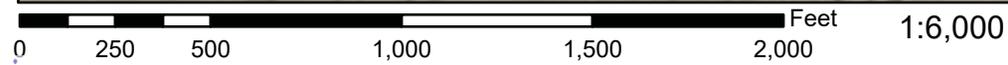
National Flood Hazard Layer FIRMette



104°36'30"W 32°21'28"N



USGS The National Map: Orthoimagery. Data refreshed October, 2020.



104°35'52"W 32°20'58"N

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
		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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
OTHER FEATURES		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
OTHER FEATURES		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Hydrographic Feature
		Digital Data Available
MAP PANELS		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 10/19/2020 at 4:21 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.

Released to Imaging: 4/22/2021 2:18:09 PM

Received by OCD: 2/10/2021 6:03:15 PM

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Laboratory Analytical Results Summary
Oxy, Red Tank 31-5H 10-8-20

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	10/29/20	10/29/20	10/29/20	10/29/20
			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		<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'	SP1 @ 8'	SP1 @ 10'
Analyte	Method	Date	10/29/20	10/29/20	10/29/20	10/29/20	10/29/20	11/2/20	11/2/20	11/2/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	<0.050	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	<0.050	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	<0.150	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	<0.300	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		30800	5920	6320	11300	24400	22200	17800	8000
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		532	12.9	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		167	10.1	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	10/29/20	10/29/20	10/29/20	10/29/20	10/29/20	10/29/20
			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
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		30800	10500	3680	1020	80.0	96.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	10/29/20	10/29/20	10/29/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, Red Tank 31-5H 10-8-20

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	10/29/20	10/29/20	10/29/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	10/29/20	10/29/20	10/29/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'
Analyte	Method	Date	10/29/20	10/29/20	10/29/20	10/29/20	11/2/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		26000	14200	8930	384	48.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a
DRO	TPH 8015M		4680	43.0	n/a	n/a	n/a
EXT DRO	TPH 8015M		1390	29.5	n/a	n/a	n/a

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'	SP7 @ 7'	SP7 @ 9'	SP7 @ 11'
Analyte	Method	Date	10/30/20	10/30/20	10/30/20	10/30/20	11/2/20	11/2/20	11/2/20	11/2/20	11/2/20
			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	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		19000	10800	18200	17800	23200	19800.0	22200	22200	13600
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		123	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		41.5	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, Red Tank 31-5H 10-8-20

Analyte	Method	Sample ID	SP8 @	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'	SP8 @ 5'	SP8 @ 6'	SP8 @ 7'	SP8 @ 8'	SP8 @ 9'	SP8 @ 10'
			Surface	10/30/20	10/30/20	10/30/20	10/30/20	11/3/20	11/3/20	11/3/20	11/3/20	11/3/20	11/3/20
		Date	mg/kg	mg/kg	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	n/a								
Toluene	BTEX 8021B		<0.050	<0.050	n/a								
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a								
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a								
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a								
Chloride	SM4500Cl-B		17000	8080	15200	14000	14000	7600	1200	1220	704	592	688
GRO	TPH 8015M		<10.0	<10.0	n/a								
DRO	TPH 8015M		<10.0	<10.0	n/a								
EXT DRO	TPH 8015M		<10.0	<10.0	n/a								

Analyte	Method	Sample ID	SP9 @	SP9 @ 1'	SP9 @ 2'
			Surface	10/30/20	10/30/20
		Date	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<16.0	96.0	80.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

Analyte	Method	Sample ID	SP10 @	SP10 @ 1'	SP10 @ 2'
			Surface	10/30/20	10/30/20
		Date	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<16.0	32.0	48.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

Analyte	Method	Sample ID	SP11 @	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'	SP11 @ 4'	SP11 @ 5'	SP11 @ 6'	SP11 @ 7'	SP11 @ 8'
			Surface	10/30/20	10/30/20	10/30/20	10/30/20	11/3/20	11/3/20	11/3/20	11/3/20
		Date	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	n/a						
Toluene	BTEX 8021B		<0.050	<0.050	n/a						
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a						
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a						
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a						
Chloride	SM4500Cl-B		31200	10300	18400	11700	12400	4760	1310	624	112
GRO	TPH 8015M		<10.0	<10.0	n/a						
DRO	TPH 8015M		1310	<10.0	n/a						
EXT DRO	TPH 8015M		599	<10.0	n/a						

Laboratory Analytical Results Summary
Oxy, Red Tank 31-5H 10-8-20

Analyte	Method	Sample ID	SP12 @	SP12 @ 1'	SP12 @ 2'	SP12 @ 3'	SP12 @ 4'	SP12 @ 5'	SP12 @ 6'	SP12 @ 7'	SP12 @ 8'	SP12 @ 9'
			Surface	Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20
			mg/kg	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		32000	8000	15200	18000	18800	14800	3860	1260	112	96.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Analyte	Method	Sample ID	SP13 @	SP13 @ 1'	SP13 @ 2'	SP13 @ 3'	SP13 @ 4'	SP13 @ 5'	SP13 @ 7'	SP13 @ 9'
			Surface	Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20	11/4/20
			mg/kg	mg/kg	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	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		20800	6130	10800	17200	22000	18800	20800	13600
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		1900	27.4	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		829	26.0	n/a	n/a	n/a	n/a	n/a	n/a

Analyte	Method	Sample ID	SP14 @	SP14 @ 1'	SP14 @ 2'	SP14 @ 3'	SP14 @ 4'	SP14 @ 5'	SP14 @ 6'
			Surface	Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			11/6/20	11/6/20	11/6/20	11/6/20	11/6/20	11/6/20	11/6/20
			mg/kg	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	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		14400	9460	11500	15200	13900	14400	17200
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

Analyte	Method	Sample ID	SP15 @	SP15 @ 1'	SP15 @ 2'	SP15 @ 3'	SP15 @ 4'	SP15 @ 5'	SP15 @ 6'
			Surface	Date	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			11/6/20	11/6/20	11/6/20	11/6/20	11/6/20	11/6/20	11/6/20
			mg/kg						
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		38400	11700	13600	26800	44400	19600	23600
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, Red Tank 31-5H 10-8-20

		Sample ID	SP16 @ Surface	SP16 @ 1'	SP16 @ 2'	SP16 @ 3'
Analyte	Method	Date	11/9/20	11/9/20	11/9/20	11/9/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		48.0	32.0	16.0	64.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP17 @ Surface	SP17 @ 1'	SP17 @ 2'	SP17 @ 3'
Analyte	Method	Date	11/9/20	11/9/20	11/9/20	11/9/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		<16.0	16.0	32.0	32.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP18 @ Surface	SP18 @ 1'	SP18 @ 2'	SP18 @ 3'
Analyte	Method	Date	11/9/20	11/9/20	11/9/20	11/9/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		5200	960	64.0	48.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP19 @ Surface	SP19 @ 1'	SP19 @ 2'	SP19 @ 3'
Analyte	Method	Date	11/9/20	11/9/20	11/9/20	11/9/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		7200	1720	64.0	32.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

Laboratory Analytical Results Summary
Oxy, Red Tank 31-5H 10-8-20

		Sample ID	SB1 @ 7'	SB1 @ 12'	SB1 @ 17'	SB1 @ 22'	SB1 @ 27'	SB1 @ 32'	SB1 @ 37'
Analyte	Method	Date	12/8/20	12/8/20	12/8/20	12/8/20	12/8/20	12/8/20	12/8/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		5920	720	12400	11000	3080	992	880
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SB2 @ 11'	SB2 @ 16'	SB2 @ 21'	SB2 @ 26'	SB2 @ 31'
Analyte	Method	Date	12/8/20	12/8/20	12/8/20	12/8/20	12/8/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		14000	624	896	912	496
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a

		Sample ID	SB3 @ 7'	SB3 @ 12'	SB3 @ 17'	SB3 @ 22'	SB3 @ 27'
Analyte	Method	Date	12/8/20	12/8/20	12/8/20	12/8/20	12/8/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		20000	5200	4400	240	160
GRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a



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

November 11, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 31 - 5H

Enclosed are the results of analyses for samples received by the laboratory on 11/05/20 16:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: N @ SURFACE (H002947-01)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/06/2020	ND	416	104	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	11/10/2020	ND	228	114	200	3.35	
DRO >C10-C28*	<10.0	10.0	11/10/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/10/2020	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: E @ SURFACE (H002947-02)

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	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/06/2020	ND	416	104	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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 98.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: W @ SURFACE (H002947-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/06/2020	ND	416	104	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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.4 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: S @ SURFACE (H002947-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/06/2020	ND	416	104	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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 1 @ SURFACE (H002947-05)

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	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30800	16.0	11/06/2020	ND	416	104	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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	532	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	167	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 131 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 1 @ 1' (H002947-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	11/06/2020	ND	416	104	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	11/06/2020	ND	228	114	200	3.35	
DRO >C10-C28*	12.9	10.0	11/06/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	10.1	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.9 % 42.2-156

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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 1 @ 2' (H002947-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	11/06/2020	ND	416	104	400	0.00	

Sample ID: SP 1 @ 3' (H002947-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11300	16.0	11/06/2020	ND	416	104	400	0.00	

Sample ID: SP 1 @ 4' (H002947-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	24400	16.0	11/06/2020	ND	416	104	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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 2 @ SURFACE (H002947-10)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3720	16.0	11/06/2020	ND	416	104	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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 2 @ 1' (H002947-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	11/06/2020	ND	416	104	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	11/06/2020	ND	228	114	200	3.35	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 2 @ 2' (H002947-12)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	11/09/2020	ND	400	100	400	7.69	

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	11/06/2020	ND	228	114	200	3.35	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 2 @ 3' (H002947-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	11/09/2020	ND	400	100	400	7.69	

Sample ID: SP 2 @ 4' (H002947-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/09/2020	ND	400	100	400	7.69	

Sample ID: SP 2 @ 5' (H002947-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/09/2020	ND	400	100	400	7.69	

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 3 @ SURFACE (H002947-16)

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	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69		

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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 3 @ 1' (H002947-17)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69	

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	11/06/2020	ND	228	114	200	3.35	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 3 @ 2' (H002947-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69	

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Analytical Results For:

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Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 4 @ SURFACE (H002947-19)

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	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69		

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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 98.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.4 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 4 @ 1' (H002947-20)

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	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69		

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	11/06/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.8 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 4 @ 2' (H002947-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69	

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 Fax To: (575) 397-0397

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 5 @ SURFACE (H002947-22)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69	

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	11/07/2020	ND	228	114	200	3.35	
DRO >C10-C28*	<10.0	10.0	11/07/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/07/2020	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.9 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 5 @ 1' (H002947-23)

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	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69		

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	11/07/2020	ND	228	114	200	3.35		
DRO >C10-C28*	<10.0	10.0	11/07/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	<10.0	10.0	11/07/2020	ND						

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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

Received:	11/05/2020	Sampling Date:	10/29/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 5 @ 2' (H002947-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2020	ND	400	100	400	7.69	

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 6 @ SURFACE (H002947-25)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	GC-NC
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	11/09/2020	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/07/2020	ND	228	114	200	3.35		
DRO >C10-C28*	4680	10.0	11/07/2020	ND	216	108	200	1.45		
EXT DRO >C28-C36	1390	10.0	11/07/2020	ND						

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 275 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 6 @ 1' (H002947-26)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14200	16.0	11/09/2020	ND	400	100	400	7.69	

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	11/07/2020	ND	228	114	200	3.35	
DRO >C10-C28*	43.0	10.0	11/07/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	29.5	10.0	11/07/2020	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 6 @ 2' (H002947-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8930	16.0	11/09/2020	ND	400	100	400	7.69	

Sample ID: SP 6 @ 3' (H002947-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/09/2020	ND	400	100	400	7.69	

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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 7 @ SURFACE (H002947-29)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19000	16.0	11/09/2020	ND	400	100	400	7.69	

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	11/07/2020	ND	228	114	200	3.35	
DRO >C10-C28*	123	10.0	11/07/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	41.5	10.0	11/07/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 7 @ 1' (H002947-30)

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	11/06/2020	ND	1.90	95.1	2.00	1.40	
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	11/09/2020	ND	400	100	400	7.69	

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	11/07/2020	ND	228	114	200	3.35	
DRO >C10-C28*	<10.0	10.0	11/07/2020	ND	216	108	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/07/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 7 @ 2' (H002947-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18200	16.0	11/09/2020	ND	400	100	400	7.69	

Sample ID: SP 7 @ 3' (H002947-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17800	16.0	11/09/2020	ND	416	104	400	0.00	QM-07

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Analytical Results For:

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 P.O. Box 805
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Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 8 @ SURFACE (H002947-33)

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	11/06/2020	ND	1.90	95.1	2.00	1.40		
Toluene*	<0.050	0.050	11/06/2020	ND	1.87	93.4	2.00	1.53		
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.83	91.7	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.31	88.5	6.00	2.58		
Total BTEX	<0.300	0.300	11/06/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17000	16.0	11/09/2020	ND	416	104	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	11/06/2020	ND	197	98.4	200	3.66		
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	189	94.7	200	0.00633		
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 8 @ 1' (H002947-34)

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	11/06/2020	ND	1.93	96.7	2.00	7.59	
Toluene*	<0.050	0.050	11/06/2020	ND	1.90	94.8	2.00	8.30	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.87	93.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.41	90.2	6.00	7.94	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	11/09/2020	ND	416	104	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	11/06/2020	ND	197	98.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	189	94.7	200	0.00633	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 121 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 8 @ 2' (H002947-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	11/09/2020	ND	416	104	400	0.00	

Sample ID: SP 8 @ 3' (H002947-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	11/09/2020	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 9 @ SURFACE (H002947-37)

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	11/06/2020	ND	1.93	96.7	2.00	7.59	QR-03
Toluene*	<0.050	0.050	11/06/2020	ND	1.90	94.8	2.00	8.30	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.87	93.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.41	90.2	6.00	7.94	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2020	ND	416	104	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	11/06/2020	ND	197	98.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	189	94.7	200	0.00633	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 121 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 9 @ 1' (H002947-38)

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	11/06/2020	ND	1.93	96.7	2.00	7.59	
Toluene*	<0.050	0.050	11/06/2020	ND	1.90	94.8	2.00	8.30	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.87	93.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.41	90.2	6.00	7.94	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/09/2020	ND	416	104	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	11/06/2020	ND	197	98.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	189	94.7	200	0.00633	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 9 @ 2' (H002947-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/09/2020	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 10 @ SURFACE (H002947-40)

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	11/06/2020	ND	1.93	96.7	2.00	7.59	
Toluene*	<0.050	0.050	11/06/2020	ND	1.90	94.8	2.00	8.30	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.87	93.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.41	90.2	6.00	7.94	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2020	ND	416	104	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	11/06/2020	ND	197	98.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	189	94.7	200	0.00633	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 10 @ 1' (H002947-41)

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	11/06/2020	ND	1.93	96.7	2.00	7.59	
Toluene*	<0.050	0.050	11/06/2020	ND	1.90	94.8	2.00	8.30	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.87	93.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.41	90.2	6.00	7.94	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/09/2020	ND	416	104	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	11/06/2020	ND	197	98.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	11/06/2020	ND	189	94.7	200	0.00633	
EXT DRO >C28-C36	<10.0	10.0	11/06/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 121 % 42.2-156

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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:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 10 @ 2' (H002947-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/09/2020	ND	416	104	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:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 11 @ SURFACE (H002947-43)

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	11/06/2020	ND	1.93	96.7	2.00	7.59	
Toluene*	<0.050	0.050	11/06/2020	ND	1.90	94.8	2.00	8.30	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.87	93.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.41	90.2	6.00	7.94	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	11/09/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/06/2020	ND	197	98.4	200	3.66		
DRO >C10-C28*	1310	10.0	11/06/2020	ND	189	94.7	200	0.00633		
EXT DRO >C28-C36	599	10.0	11/06/2020	ND						

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 164 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 11 @ 1' (H002947-44)

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	11/06/2020	ND	1.93	96.7	2.00	7.59	
Toluene*	<0.050	0.050	11/06/2020	ND	1.90	94.8	2.00	8.30	
Ethylbenzene*	<0.050	0.050	11/06/2020	ND	1.87	93.5	2.00	8.37	
Total Xylenes*	<0.150	0.150	11/06/2020	ND	5.41	90.2	6.00	7.94	
Total BTEX	<0.300	0.300	11/06/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10300	16.0	11/09/2020	ND	416	104	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	11/09/2020	ND	197	98.4	200	3.66	
DRO >C10-C28*	<10.0	10.0	11/09/2020	ND	189	94.7	200	0.00633	
EXT DRO >C28-C36	<10.0	10.0	11/09/2020	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/05/2020	Sampling Date:	10/30/2020
Reported:	11/11/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 11 @ 2' (H002947-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	16.0	11/09/2020	ND	416	104	400	0.00	

Sample ID: SP 11 @ 3' (H002947-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11700	16.0	11/09/2020	ND	416	104	400	0.00	

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(1085)

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: OXY											
City: Hobbs State: NM Zip: 88241		Attn: WADE											
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:											
Project #: Project Owner: Oxy		City:											
Project Name: Red Tank 31-5H (10-8-20)		State: Zip:											
Project Location: LEA COUNTY, NM		Phone #:											
Sampler Name: Simon Rendon		Fax #:											

FOR LAB USE ONLY		G	(GRAB OR C)OMP.	#	CONTAINERS	MATRIX						PRESERV.		SAMPLING		CL	BTEX	TPH	EXT	
Lab I.D.	Sample I.D.					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE					TIME
H002947	1 N @ SURFACE																			
	2 E @ SURFACE										10/29/20	9:05 AM	✓	✓	✓					
	3 W @ SURFACE										10/29/20	9:14 AM	✓	✓	✓					
	4 S @ SURFACE										10/29/20	9:27 AM	✓	✓	✓					
	5 SP1 @ SURFACE										10/29/20	9:42 AM	✓	✓	✓					
	6 SP1 @ 1'										10/29/20	10:03 AM	✓	✓	✓					
	7 SP1 @ 2'										10/29/20	10:10 AM	✓	✓	✓					
	8 SP1 @ 3'										10/29/20	10:35 AM	✓							
	9 SP1 @ 4'										10/29/20	10:46 AM	✓							
	10 SP2 @ SURFACE										10/29/20	11:12 AM	✓	✓	✓					

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Relinquished By: <i>Simon Rendon</i>	Date: 11-5-20	Received By: <i>Isaiah Pene</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Isaiah Pene</i>	Date: 11-5-20	Received By: <i>Jamara Olden</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>-1.7°C #113</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>JO.</i>	REMARKS:	

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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(2005)

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: OXY											
City: Hobbs		Attn: WADE											
State: NM Zip: 88241		Address:											
Phone #: 575-397-6388		City:											
Fax #: 575-397-0397		State: Zip:											
Project #: Project Owner: Oxy		Phone #:											
Project Name: Red Tank 31-5H (10-8-20)		Fax #:											
Project Location: LEA COUNTY, NM													
Sampler Name: Simon Rendon													

FOR LAB USE ONLY		G	(GRAB OR C/OMP.	#	CONTAINERS	MATRIX						PRESERV.		SAMPLING		CL	BTEX	TPH	EXT
Lab I.D.	Sample I.D.					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE				
<i>A002947</i>																			
<i>11</i>	SP2 @ 1'											10/29/20	11:23 AM	✓	✓	✓			
<i>12</i>	SP2 @ 2'											10/29/20	11:35 AM	✓	✓	✓			
<i>13</i>	SP2 @ 3'											10/29/20	11:48 AM	✓					<i>added 11/6/20</i>
<i>14</i>	SP2 @ 4'											10/29/20	12:03 PM	✓					
<i>15</i>	SP2 @ 5'											10/29/20	12:47 PM	✓					
<i>16</i>	SP3 @ SURFACE											10/29/20	1:12 PM	✓	✓	✓			
<i>17</i>	SP3 @ 1'											10/29/20	1:23 PM	✓	✓	✓			
<i>18</i>	SP3 @ 2'											10/29/20	1:41 PM	✓					
<i>19</i>	SP4 @ SURFACE											10/29/20	1:52 PM	✓	✓	✓			
<i>20</i>	SP4 @ 1'											10/29/20	2:08 PM	✓	✓	✓			

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Relinquished By: <i>Simon Rendon</i>	Date: <i>11-5-20</i>	Received By: <i>Isabel Pina</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Isabel Pina</i>	Date: <i>11-5-20</i>	Received By: <i>Jamara Oldaker</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: <i>1:00 PM</i>	Time: <i>4:40 PM</i>	REMARKS:	
Sampler - UPS - Bus - Other: <i>-1.7° #113</i>	Sample Condition	CHECKED BY: (Initials)		
	Cool Intact	<i>T.O.</i>		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

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



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505)

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company: OXY													
City: Hobbs State: NM Zip: 88241		Attn: WADE													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:													
Project #: Project Owner: Oxy		City:													
Project Name: Red Tank 31-5H (10-8-20)		State: Zip:													
Project Location: LEA COUNTY, NM		Phone #:													
Sampler Name: Simon Rendon		Fax #:													

FOR LAB USE ONLY		G	(GRAB OR COMPOUND)	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		CL	BTEX	TPH EXT
Lab I.D.	Sample I.D.				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE			
H002947																	
41	SP10 @ 1'										10/30/20	1:42 PM	✓	✓	✓		
42	SP10 @ 2'										10/30/20	1:55 PM	✓				
43	SP11 @ SURFACE										10/30/20	2:12 PM	✓	✓	✓		
44	SP11 @ 1'										10/30/20	2:27 PM	✓	✓	✓		
45	SP11 @ 2'										10/30/20	2:42 PM	✓				
46	SP11 @ 3'										10/30/20	2:55 PM	✓				

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Relinquished By: <i>Simon Rendon</i>	Date: 11-5-20 Time: 7:00 AM	Received By: <i>Israethena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Israethena</i>	Date: 11-5-20 Time: 7:40 PM	Received By: <i>Samora Olatunji</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -1.7c #113	Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) JO	REMARKS:	

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



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

November 17, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 31 - 5H

Enclosed are the results of analyses for samples received by the laboratory on 11/12/20 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/02/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 1 @ 5' (H003015-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22200	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 1 @ 8' (H003015-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17800	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 1 @ 10' (H003015-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 6 @ 4' (H003015-04)

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	11/17/2020	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/02/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 7 @ 4' (H003015-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23200	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 7 @ 5' (H003015-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19800	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 7 @ 7' (H003015-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22200	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 7 @ 9' (H003015-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22200	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 7 @ 11' (H003015-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13600	16.0	11/17/2020	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/03/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 8 @ 4' (H003015-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 8 @ 5' (H003015-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 8 @ 6' (H003015-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 8 @ 7' (H003015-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 8 @ 8' (H003015-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	11/17/2020	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/03/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 8 @ 9' (H003015-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 8 @ 10' (H003015-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 11 @ 4' (H003015-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 11 @ 5' (H003015-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4760	16.0	11/17/2020	ND	400	100	400	3.92	

Sample ID: SP 11 @ 6' (H003015-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	11/17/2020	ND	464	116	400	3.51	QM-07

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 11 @ 7' (H003015-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 11 @ 8' (H003015-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/17/2020	ND	464	116	400	3.51	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 12 @ SURFACE (H003015-22)

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	11/13/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32000	16.0	11/17/2020	ND	464	116	400	3.51	

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	11/14/2020	ND	242	121	200	12.4	
DRO >C10-C28*	<10.0	10.0	11/14/2020	ND	242	121	200	18.7	
EXT DRO >C28-C36	<10.0	10.0	11/14/2020	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 12 @ 1' (H003015-23)

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	11/13/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	8000	16.0	11/17/2020	ND	464	116	400	3.51	

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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 42.2-156

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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 12 @ 2' (H003015-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 12 @ 3' (H003015-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 12 @ 4' (H003015-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18800	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 12 @ 5' (H003015-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 12 @ 6' (H003015-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3860	16.0	11/17/2020	ND	464	116	400	3.51	

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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:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 12 @ 7' (H003015-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 12 @ 8' (H003015-30)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 12 @ 9' (H003015-31)

Chloride, SM4500CI-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	11/17/2020	ND	464	116	400	3.51	

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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:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 13 @ SURFACE (H003015-32)

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	11/13/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	20800	16.0	11/17/2020	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/13/2020	ND	206	103	200	9.93		
DRO >C10-C28*	1900	10.0	11/13/2020	ND	202	101	200	10.8		
EXT DRO >C28-C36	829	10.0	11/13/2020	ND						

Surrogate: 1-Chlorooctane 91.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 181 % 42.2-156

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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:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 13 @ 1' (H003015-33)

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	11/13/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	6130	16.0	11/17/2020	ND	464	116	400	3.51	

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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	27.4	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	26.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/12/2020	Sampling Date:	11/04/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 13 @ 2' (H003015-34)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 13 @ 3' (H003015-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 13 @ 4' (H003015-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22000	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 13 @ 5' (H003015-37)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18800	16.0	11/17/2020	ND	464	116	400	3.51	

Sample ID: SP 13 @ 7' (H003015-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800	16.0	11/17/2020	ND	464	116	400	3.51	

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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/06/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 13 @ 9' (H003015-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	11/17/2020	ND	448	112	400	0.00	QM-07	

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

Received:	11/12/2020	Sampling Date:	11/06/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 14 @ SURFACE (H003015-40)

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	11/13/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	14400	16.0	11/17/2020	ND	448	112	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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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:	11/12/2020	Sampling Date:	11/06/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 14 @ 1' (H003015-41)

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	11/13/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	9460	16.0	11/17/2020	ND	448	112	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.1 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	11/12/2020	Sampling Date:	11/06/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 14 @ 2' (H003015-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11500	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 14 @ 3' (H003015-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 14 @ 4' (H003015-44)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13900	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 14 @ 5' (H003015-45)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 14 @ 6' (H003015-46)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	11/17/2020	ND	448	112	400	0.00	

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Received:	11/12/2020	Sampling Date:	11/06/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 15 @ SURFACE (H003015-47)

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	11/13/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/13/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/13/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/13/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	38400	16.0	11/17/2020	ND	448	112	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.4 % 42.2-156

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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/06/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 15 @ 1' (H003015-48)

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	11/14/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	11700	16.0	11/17/2020	ND	448	112	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.4 % 42.2-156

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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:	11/12/2020	Sampling Date:	11/06/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 15 @ 2' (H003015-49)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13600	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 15 @ 3' (H003015-50)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26800	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 15 @ 4' (H003015-51)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	44400	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 15 @ 5' (H003015-52)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19600	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 15 @ 6' (H003015-53)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	11/17/2020	ND	448	112	400	0.00	

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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 16 @ SURFACE (H003015-54)

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	11/14/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/17/2020	ND	448	112	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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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:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 16 @ 1' (H003015-55)

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	11/14/2020	ND	2.01	101	2.00	0.966	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.05	102	2.00	1.40	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.85	97.4	6.00	1.49	
Total BTEX	<0.300	0.300	11/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/17/2020	ND	448	112	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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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:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 16 @ 2' (H003015-56)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/17/2020	ND	448	112	400	0.00	

Sample ID: SP 16 @ 3' (H003015-57)

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	11/17/2020	ND	448	112	400	0.00	

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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 17 @ SURFACE (H003015-58)

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	11/14/2020	ND	2.02	101	2.00	0.864	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.04	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.83	97.2	6.00	1.98	
Total BTEX	<0.300	0.300	11/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	11/17/2020	ND	448	112	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.2 % 42.2-156

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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:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 17 @ 1' (H003015-59)

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	11/14/2020	ND	2.02	101	2.00	0.864	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.04	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.83	97.2	6.00	1.98	
Total BTEX	<0.300	0.300	11/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	16.0	16.0	11/17/2020	ND	416	104	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 17 @ 2' (H003015-60)

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	11/17/2020	ND	416	104	400	3.77	

Sample ID: SP 17 @ 3' (H003015-61)

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	11/17/2020	ND	416	104	400	3.77	

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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 18 @ SURFACE (H003015-62)

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	11/14/2020	ND	2.02	101	2.00	0.864		
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.57		
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.04	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.83	97.2	6.00	1.98		
Total BTEX	<0.300	0.300	11/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	5200	16.0	11/17/2020	ND	416	104	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	11/13/2020	ND	206	103	200	9.93		
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND						

Surrogate: 1-Chlorooctane 92.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 18 @ 1' (H003015-63)

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	11/14/2020	ND	2.02	101	2.00	0.864	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.04	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.83	97.2	6.00	1.98	
Total BTEX	<0.300	0.300	11/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	960	16.0	11/17/2020	ND	416	104	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	11/13/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/13/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/13/2020	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 18 @ 2' (H003015-64)

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	11/17/2020	ND	416	104	400	3.77	

Sample ID: SP 18 @ 3' (H003015-65)

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	11/17/2020	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 19 @ SURFACE (H003015-66)

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	11/14/2020	ND	2.02	101	2.00	0.864		
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.57		
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.04	102	2.00	1.93		
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.83	97.2	6.00	1.98		
Total BTEX	<0.300	0.300	11/14/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	7200	16.0	11/17/2020	ND	416	104	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	11/14/2020	ND	206	103	200	9.93		
DRO >C10-C28*	<10.0	10.0	11/14/2020	ND	202	101	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	11/14/2020	ND						

Surrogate: 1-Chlorooctane 93.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 19 @ 1' (H003015-67)

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	11/14/2020	ND	2.02	101	2.00	0.864	
Toluene*	<0.050	0.050	11/14/2020	ND	1.95	97.3	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/14/2020	ND	2.04	102	2.00	1.93	
Total Xylenes*	<0.150	0.150	11/14/2020	ND	5.83	97.2	6.00	1.98	
Total BTEX	<0.300	0.300	11/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1720	16.0	11/17/2020	ND	416	104	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	11/14/2020	ND	206	103	200	9.93	
DRO >C10-C28*	<10.0	10.0	11/14/2020	ND	202	101	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	11/14/2020	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/12/2020	Sampling Date:	11/09/2020
Reported:	11/17/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SP 19 @ 2' (H003015-68)

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	11/17/2020	ND	416	104	400	3.77	

Sample ID: SP 19 @ 3' (H003015-69)

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	11/17/2020	ND	416	104	400	3.77	

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(3077)

Page 36 of 40

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: OXY											
City: Hobbs State: NM Zip: 88241		Attn: WADE											
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:											
Project #: Project Owner: Oxy		City:											
Project Name: Red Tank 31-5H (10-8-20)		State: Zip:											
Project Location: LEA COUNTY, NM		Phone #:											
Sampler Name: Simon Rendon		Fax #:											

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		CL	BTEX	TPH	EXT	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE					TIME
	H003015																		
	20	SP11 @ 7'	G	I															
	21	SP11 @ 8'																	
	22	SP12 @ Surface																	
	23	SP12 @ 1'																	
	24	SP12 @ 2'																	
	25	SP12 @ 3'																	
	26	SP12 @ 4'																	
	27	SP12 @ 5'																	
	28	SP12 @ 6'																	
	29	SP12 @ 7'																	

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Relinquished By: <i>Simon Rendon</i>	Date: 11-12-20	Received By: <i>Isabel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Isabel Pena</i>	Date: 11-12-20	Received By: <i>Isabel Pena</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Time: 4:30	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:	
3.1c #113		CHECKED BY: (Initials) <i>TO.</i>		

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(487)

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: OXY											
City: Hobbs		Attn: WADE											
State: NM Zip: 88241		Address:											
Phone #: 575-397-6388		City:											
Fax #: 575-397-0397		State:											
Project #:		Zip:											
Project Name: Red Tank 31-5H (10-8-20)		Phone #:											
Project Location: LEA COUNTY, NM		Fax #:											
Sampler Name: Simon Rendon													

FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		CL	BTEX	TPH	EXT	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE					TIME
	H003015																		
	30	SP12 @ 8'	G	1										11/4/20	12:45 PM	✓			
	31	SP12 @ 9'												11/4/20	1:10 PM	✓			
	32	SP13 @ Surface												11/4/20	1:24 PM	✓	✓	✓	
	33	SP13 @ 1'												11/4/20	1:37 PM	✓	✓	✓	
	34	SP13 @ 2'												11/4/20	1:51 PM	✓			
	35	SP13 @ 3'												11/4/20	2:09 PM	✓			
	36	SP13 @ 4'												11/4/20	2:22 PM	✓			
	37	SP13 @ 5'												11/4/20	2:38 PM	✓			
	38	SP13 @ 7'												11/6/20	9:00 AM	✓			
	39	SP13 @ 9'												11/6/20	9:45 AM	✓			

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Relinquished By: <i>Simon Rendon</i>	Date: 11-12-20	Received By: <i>Israel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <i>Israel Pena</i>	Date: 11-12-20	Received By: <i>Tamara Aldrete</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Time: 430	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:	
3,1°C #113		Checked By: (Initials) <i>T.O.</i>		

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



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

December 15, 2020

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

RE: RED TANK 31 - 5H

Enclosed are the results of analyses for samples received by the laboratory on 12/11/20 16:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2020	Sampling Date:	12/08/2020
Reported:	12/15/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SB 1 @ 7' (H003250-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	12/15/2020	ND	400	100	400	3.92	

Sample ID: SB 1 @ 12' (H003250-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	12/15/2020	ND	400	100	400	3.92	

Sample ID: SB 1 @ 17' (H003250-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12400	16.0	12/15/2020	ND	400	100	400	3.92	

Sample ID: SB 1 @ 22' (H003250-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	12/15/2020	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/11/2020	Sampling Date:	12/08/2020
Reported:	12/15/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SB 1 @ 27' (H003250-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	12/15/2020	ND	400	100	400	3.92	

Sample ID: SB 1 @ 32' (H003250-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 37' (H003250-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 2 @ 11' (H003250-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 2 @ 16' (H003250-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/15/2020	ND	416	104	400	0.00	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/11/2020	Sampling Date:	12/08/2020
Reported:	12/15/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SB 2 @ 21' (H003250-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 2 @ 26' (H003250-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 2 @ 31' (H003250-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 3 @ 7' (H003250-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 3 @ 12' (H003250-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	12/15/2020	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/11/2020	Sampling Date:	12/08/2020
Reported:	12/15/2020	Sampling Type:	Soil
Project Name:	RED TANK 31 - 5H	Sampling Condition:	Cool & Intact
Project Number:	(10 - 8 - 20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY NM		

Sample ID: SB 3 @ 17' (H003250-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 3 @ 22' (H003250-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 3 @ 27' (H003250-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/15/2020	ND	416	104	400	0.00	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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

CONDITIONS

Action 18365

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	18365	Action Type:	C-141
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OCD Reviewer	Condition
chensley	The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater.
chensley	The OCD request that OXY collect sidewall confirmation samples no greater than 200 square feet.
chensley	OXY requests a variance to install an impermeable 20 mil plastic liner near the sample collections of SP1, SP2, SP6 – SP15, SP18 and SP19 is approved.
chensley	The OCD request that OXY collect composite samples at/near SB2 and SB1 prior to liner installation.