



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

DELINEATION/REMEDATION WORKPLAN

OXY – MLMU 212 (Leak Date: 3/24/20)

Incident Reference #: NRM2012547984

This delineation workplan and remediation proposal addresses the releases associated with Incident Reference #: NRM2012547984.

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 entire spill area as depicted on the following site diagram. The leak area 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.

In addition, OXY requests to collect only sidewall confirmation samples every 200 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 3,000 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

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State of New Mexico
Oil Conservation Division

Incident ID	nRM2012547984
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?	118 (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.

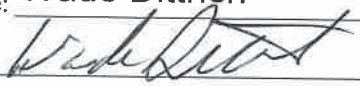
Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	nRM2012547984
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	nRM2012547984
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 OnlyReceived by: Chad Hensley Date: 03/23/2021☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature:  Date: 03/23/2021


OXY MLMU 212


Leak Date: 3-24-2020
Lea County, NM
API: 30-025-27089
Incident ID: NRM2012547984

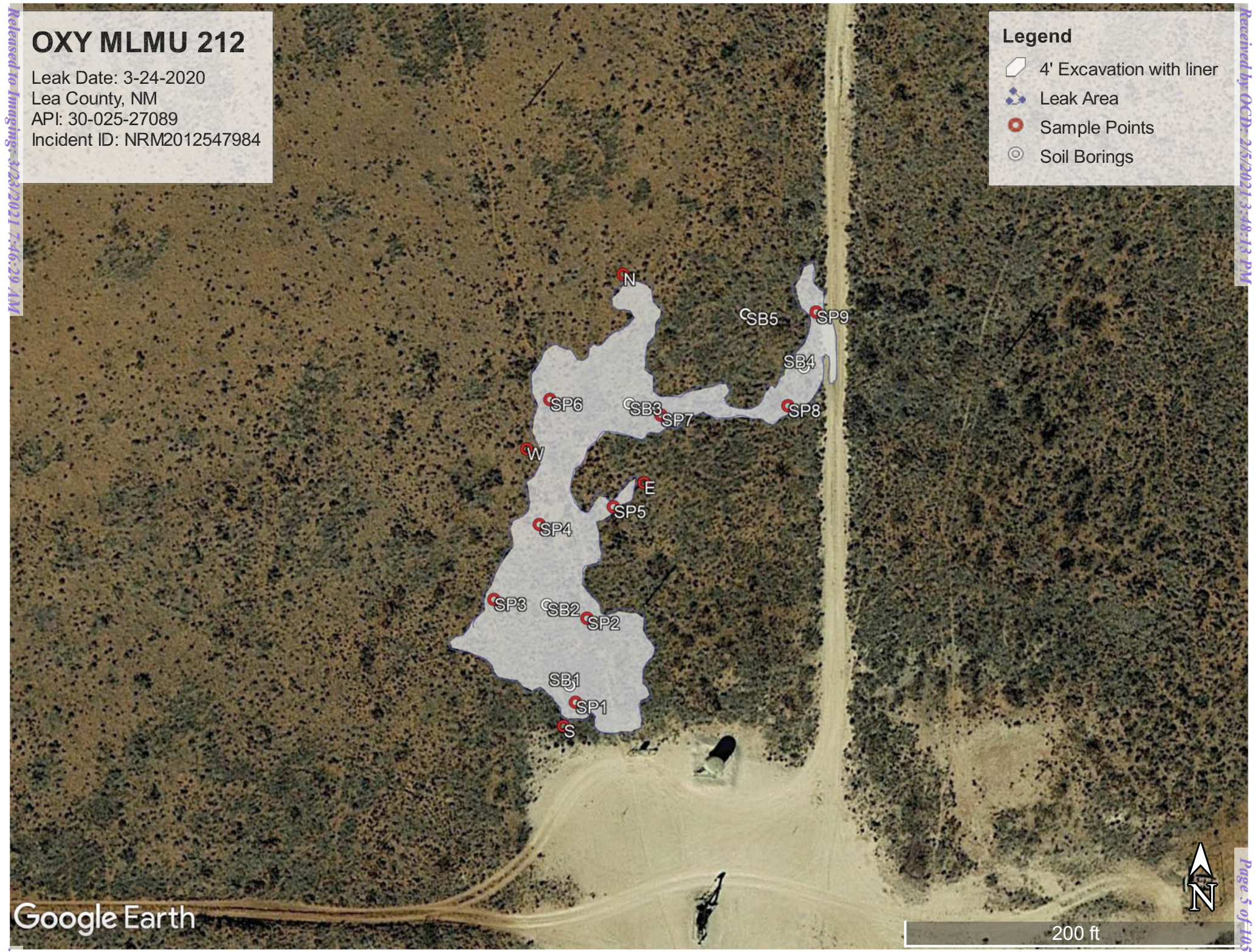
Legend

 4' Excavation with liner

 Leak Area

 Sample Points

 Soil Borings



Oxy, MLMU 212 (3-24-20)

Sample points for Soil Borings

SB1, N 32.23409 W -103.20011

SB2, N 32.23422 W -103.20015

SB3, N 32.23454 W -103.20000

SB4, N 32.23460 W -103.19967

SB5, N 32.23468 W -103.19978

Sample points

SP1, N 32.23406 W -103.20010

SP2, N 32.23420 W -103.20008

SP3, N 32.23423 W -103.20025

SP4, N 32.23435 W -103.20017

SP5, N 32.23437 W -103.20003

SP6, N 32.23455 W -103.20015

SP7, N 32.23452 W -103.19994

SP8, N 32.23454 W -103.19970

SP9, N 32.23469 W -103.19964

NORTH, N 32.23478 W-103.20003

EAST, N 32.23441 W-103.19992

WEST, N 32.23447 W-103.20021

SOUTH, N 32.23400 W-103.20021



USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321319103115701

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

USGS 321319103115701 24S.37E.07.431244

Lea County, New Mexico
Latitude 32°13'39", Longitude 103°11'59" NAD27
Land-surface elevation 3,304.10 feet above NGVD29
The depth of the well is 152 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

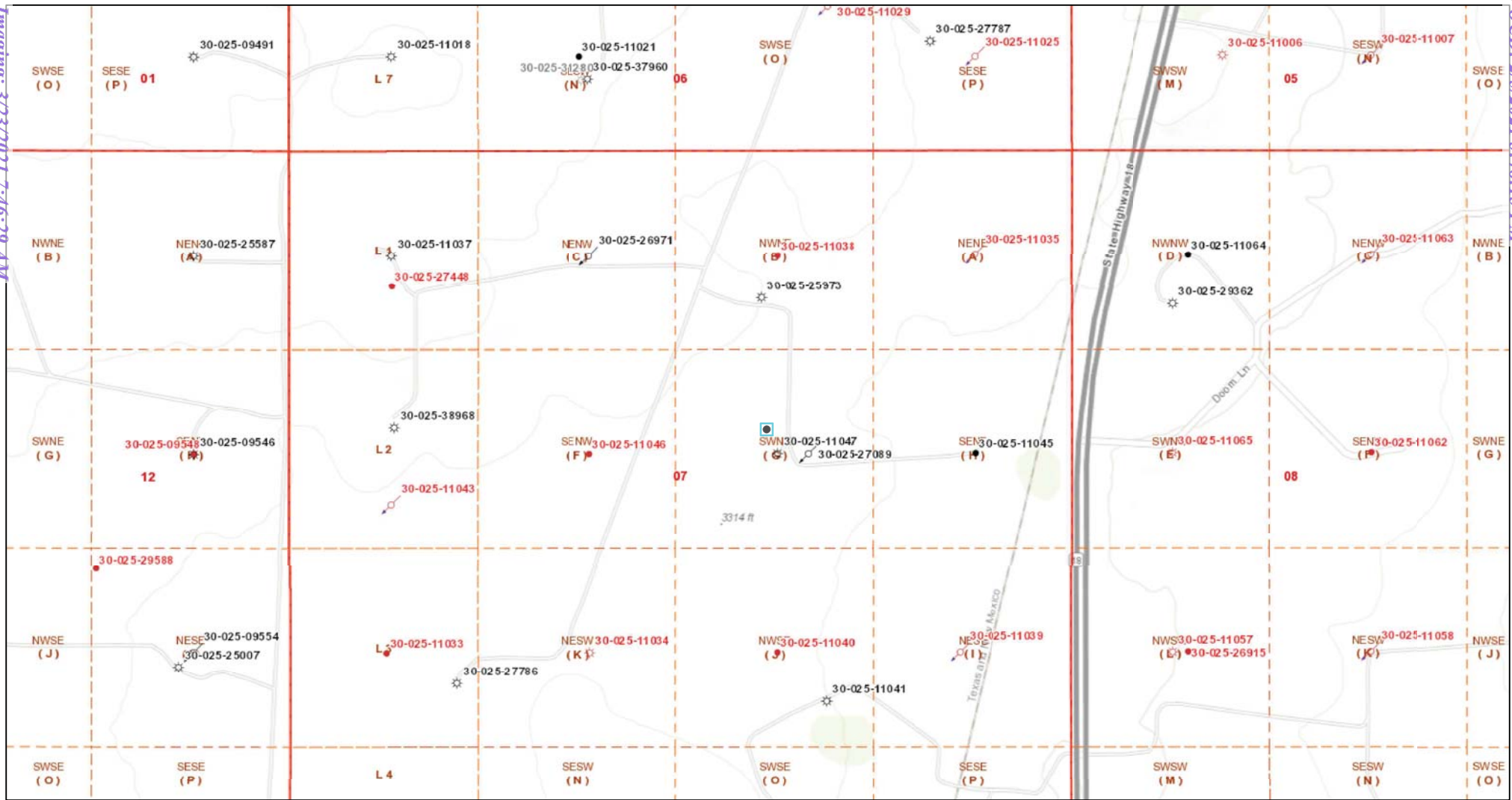
Table of data
Tab-separated data
Graph of data
Reselect period

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 measurem
1953-03-06		D	119.91				2		U	
1970-12-03		D	119.49				2		U	
1976-01-20		D	119.23				2		U	
1981-03-18		D	119.09				2		U	
1986-03-05		D	120.00				2		U	
1996-03-01		D	118.20				2		S	

Explanation

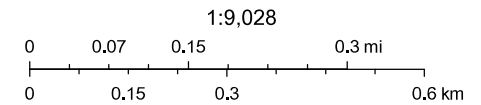
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	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.

MLMU 212 (3-24-20) +3,000ft to H2O



3/30/2020 9:42:24 AM

Wells - Large Scale	CO2, Temporarily Abandoned	Injection, Active	Oil, Cancelled	Salt Water Injection, New
undefined	Gas, Active	Injection, Cancelled	Oil, New	Salt Water Injection, Plugged
Miscellaneous	Gas, Cancelled	Injection, New	Oil, Plugged	Salt Water Injection, Temporarily Abandoned
CO2, Active	Gas, New	Injection, Plugged	Oil, Temporarily Abandoned	Water, Active
CO2, Cancelled	Gas, Plugged	Injection, Temporarily Abandoned	Salt Water Injection, Active	Water, Cancelled
CO2, New	Gas, Temporarily Abandoned	Oil, Active	Salt Water Injection, Cancelled	Water, New
CO2, Plugged				





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

Oxy MLMU #212

Leak Date: 3-24-2020
Lea County, NM
API: 30-025-27089
Incident ID: nRM2012547984

Legend

 Leak Area

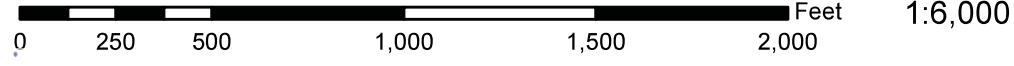
 Low Potential



National Flood Hazard Layer FIRMMette



32°14'17.11"N



USGS The National Map: Orthoimagery. Data refreshed April, 2019.

32°13'46.68"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
		Area with Reduced Flood Risk due to Levee. See Notes.
		Area with Flood Risk due to Levee
		Area of Minimal Flood Hazard
OTHER AREAS		Effective LOMRs
		Area of Undetermined Flood Hazard
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/27/2020 at 5:48:45 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Retrieved from: 3/23/2021 7:46:39 AM
M3571261309

Received by: 3/23/2021 3:48:13 PM

Laboratory Analytical Results Summary
Oxy, MLMU #212 (3-24-20)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	6/1/20	6/1/20	6/1/20	6/1/20
			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		11.6	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 7'	SP1 @ 10'	SP1 @ 13'
Analyte	Method	Date	6/1/20	6/1/20	6/1/20	6/1/20	6/1/20	6/1/20	6/1/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		848	1180	1200	1680	1220	1440	1580
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 7'	SP2 @ 10'	SP2 @ 13'	SP2 @ 16'
Analyte	Method	Date	6/1/20	6/1/20	6/1/20	6/2/20	6/2/20	6/2/20	6/2/20	6/2/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		864	784	1380	1630	1440	1250	1220	1220
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	21.1	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	6/2/20	6/2/20	6/2/20	6/2/20
			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		1070	432	32.0	48.0
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

Laboratory Analytical Results Summary
Oxy, MLMU #212 (3-24-20)

		Sample ID	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 7'	SP4 @ 10'	SP4 @ 13'	SP4 @ 15'
Analyte	Method	Date	6/2/20	6/2/20	6/2/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		800	1310	720	1490	1790	1840	1600	1600
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 7'	SP5 @ 10'	SP5 @ 13'	SP5 @ 15'
Analyte	Method	Date	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20	6/3/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		768	832	1410	2080	1620	1520	1220	1330
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	28.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 7'	SP6 @ 10'	SP6 @ 13'	SP6 @ 15'
Analyte	Method	Date	6/3/20	6/3/20	6/3/20	6/3/20	6/4/20	6/4/20	6/4/20	6/4/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		960	752	1250	2030	1380	1390	720	1040
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 7'	SP7 @ 10'	SP7 @ 12'
Analyte	Method	Date	6/4/20	6/4/20	6/4/20	6/4/20	6/4/20	6/4/20	6/4/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		672	816	1040	2040	1390	1360	1360
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary
Oxy, MLMU #212 (3-24-20)

		Sample ID	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'	SP8 @ 7'	SP8 @ 10'	SP8 @ 13'	SP8 @ 16'
Analyte	Method	Date	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		800	800	1090	864	1360	1340	1150	1280
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		335	<10.0	<10.0	44.4	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		93.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'	SP9 @ 5'
Analyte	Method	Date	6/5/20	6/5/20	6/5/20	6/5/20	6/5/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		736	480	256	16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary
Oxy, MLMU #212 (3-24-20)

		Sample ID	SB1 @ 14'	SB1 @ 19'	SB1 @ 29'	SB1 @ 39'	SB1 @ 49'	SB1 @ 54'	SB1 @ 59'
Analyte	Method	Date	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20
			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		720	768	800	1070	624	288	304
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 @ 17'	SB2 @ 22'	SB2 @ 32'	SB2 @ 42'	SB2 @ 44'	SB2 @ 52'
Analyte	Method	Date	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20
			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
Toluene	BTEX 8021B		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
Total Xylenes	BTEX 8021B		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
Chloride	SM4500Cl-B		1140	1120	944	880	432	288
GRO	TPH 8015M		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
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SB3 @ 13'	SB3 @ 18'	SB3 @ 23'	SB3 @ 33'	SB3 @ 38'	SB3 @ 43'
Analyte	Method	Date	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20	12/9/20
			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
Toluene	BTEX 8021B		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
Total Xylenes	BTEX 8021B		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
Chloride	SM4500Cl-B		1230	976	800	1020	544	432
GRO	TPH 8015M		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
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SB4 @ 17'	SB4 @ 22'	SB4 @ 32'	SB4 @ 42'	SB4 @ 47'	SB4 @ 52'
Analyte	Method	Date	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20
			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
Toluene	BTEX 8021B		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
Total Xylenes	BTEX 8021B		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
Chloride	SM4500Cl-B		1060	1060	944	816	400	320
GRO	TPH 8015M		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
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, MLMU #212 (3-24-20)

		Sample ID	SB5 @ 5'	SB5 @ 10'	SB5 @ 15'	SB5 @ 25'	SB5 @ 35'	SB5 @ 40'
Analyte	Method	Date	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20	12/10/20
			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
Toluene	BTEX 8021B		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
Total Xylenes	BTEX 8021B		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
Chloride	SM4500Cl-B		16.0	<16.0	64.0	64.0	64.0	64.0
GRO	TPH 8015M		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
EXT DRO	TPH 8015M		n/a	n/a	n/a	n/a	n/a	n/a



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

June 15, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #212

Enclosed are the results of analyses for samples received by the laboratory on 06/09/20 16:52.

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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: N @ SURFACE (H001553-01)

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	06/10/2020	ND	1.81	90.6	2.00	7.49	
Toluene*	<0.050	0.050	06/10/2020	ND	1.72	86.0	2.00	7.38	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.71	85.4	2.00	7.68	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	4.95	82.6	6.00	7.63	
Total BTEX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/11/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	11.6	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 130 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: E @ SURFACE (H001553-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.81	90.6	2.00	7.49		
Toluene*	<0.050	0.050	06/10/2020	ND	1.72	86.0	2.00	7.38		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.71	85.4	2.00	7.68		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	4.95	82.6	6.00	7.63		
Total BTX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/11/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 128 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: W @ SURFACE (H001553-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: S @ SURFACE (H001553-04)

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	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTEx	<0.300	0.300	06/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/11/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 128 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 1' (H001553-05)

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	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTEX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	06/11/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 109 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 2' (H001553-06)

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	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTEX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	1180	16.0	06/11/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 3' (H001553-07)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	06/11/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 126 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 4' (H001553-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 128 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 7' (H001553-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTX	<0.300	0.300	06/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 10' (H001553-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTX	<0.300	0.300	06/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 1 @ 13' (H001553-11)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTX	<0.300	0.300	06/10/2020	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	1580	16.0	06/11/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 1' (H001553-12)

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	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTEx	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	06/11/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	206	103	200	2.23	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	214	107	200	0.936	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 126 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 2' (H001553-13)

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	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTEx	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/01/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 3' (H001553-14)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTX	<0.300	0.300	06/10/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 4' (H001553-15)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	06/11/2020	ND	432	108	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12		
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792		
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND						

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 7' (H001553-16)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	21.1	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 10' (H001553-17)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 95.3 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 13' (H001553-18)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	1220	16.0	06/11/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 96.0 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 2 @ 16' (H001553-19)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTX	<0.300	0.300	06/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 3 @ 1' (H001553-20)

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	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTEX	<0.300	0.300	06/10/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	06/11/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 3 @ 2' (H001553-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.88	94.0	2.00	2.22	
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 3 @ 3' (H001553-22)

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	06/10/2020	ND	1.88	94.0	2.00	2.22		
Toluene*	<0.050	0.050	06/10/2020	ND	1.93	96.4	2.00	2.08		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	2.00	100	2.00	2.41		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.81	96.8	6.00	2.50		
Total BTEx	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	32.0	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 3 @ 4' (H001553-23)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 107 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 1' (H001553-24)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 109 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 2' (H001553-25)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	06/11/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/02/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 3' (H001553-26)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/10/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	06/11/2020	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 4' (H001553-27)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	1490	16.0	06/11/2020	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	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 7' (H001553-28)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/10/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	1790	16.0	06/11/2020	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	06/10/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 109 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 10' (H001553-29)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	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	1840	16.0	06/11/2020	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	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 13' (H001553-30)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	1600	16.0	06/11/2020	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	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 4 @ 15' (H001553-31)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	1600	16.0	06/11/2020	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	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 1' (H001553-32)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	768	16.0	06/11/2020	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	06/11/2020	ND	196	98.2	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	191	95.6	200	0.792	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 2' (H001553-33)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	832	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	28.2	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 3' (H001553-34)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	1410	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 4' (H001553-35)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTEX	<0.300	0.300	06/11/2020	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	2080	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 7' (H001553-36)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	1620	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 10' (H001553-37)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	1520	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 13' (H001553-38)

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	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTEx	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	1220	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 5 @ 15' (H001553-39)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42		
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	1330	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 1' (H001553-40)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	960	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 2' (H001553-41)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	752	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 3' (H001553-42)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.85	92.3	2.00	2.42	
Toluene*	<0.050	0.050	06/11/2020	ND	1.89	94.5	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.95	97.5	2.00	2.66	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.68	94.6	6.00	2.66	
Total BTX	<0.300	0.300	06/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	1250	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 4' (H001553-43)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	2030	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 96.6 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 7' (H001553-44)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1380	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 10' (H001553-45)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1390	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 13' (H001553-46)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	720	16.0	06/11/2020	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	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 102 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 6 @ 15' (H001553-47)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1040	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 7 @ 1' (H001553-48)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	672	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 7 @ 2' (H001553-49)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	816	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/10/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/10/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 7 @ 3' (H001553-50)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1040	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 7 @ 4' (H001553-51)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2040	16.0	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 7 @ 7' (H001553-52)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1390	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	193	96.6	200	4.33	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	190	95.1	200	1.56	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 7 @ 10' (H001553-53)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1360	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 109 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/04/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 7 @ 12' (H001553-54)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1360	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 101 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 1' (H001553-55)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2020	ND	1.94	96.8	2.00	0.418		
Toluene*	<0.050	0.050	06/11/2020	ND	1.84	92.1	2.00	0.509		
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.82	91.1	2.00	0.114		
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.29	88.1	6.00	0.140		
Total BTX	<0.300	0.300	06/11/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	800	16.0	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	335	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	93.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 122 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 2' (H001553-56)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	800	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 3' (H001553-57)

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	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTEx	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1090	16.0	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 105 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 4' (H001553-58)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418		
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140		
Total BTX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	864	16.0	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	44.4	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 124 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 7' (H001553-59)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1360	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 10' (H001553-60)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418		
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509		
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114		
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140		
Total BTX	<0.300	0.300	06/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1340	16.0	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 106 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 13' (H001553-61)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/10/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/10/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/10/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1150	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 8 @ 16' (H001553-62)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2020	ND	1.94	96.8	2.00	0.418	
Toluene*	<0.050	0.050	06/11/2020	ND	1.84	92.1	2.00	0.509	
Ethylbenzene*	<0.050	0.050	06/11/2020	ND	1.82	91.1	2.00	0.114	
Total Xylenes*	<0.150	0.150	06/11/2020	ND	5.29	88.1	6.00	0.140	
Total BTX	<0.300	0.300	06/11/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1280	16.0	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 9 @ 1' (H001553-63)

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	06/12/2020	ND	1.84	91.8	2.00	4.63		
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74		
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55		
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82		
Total BTEx	<0.300	0.300	06/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	736	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 9 @ 2' (H001553-64)

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	06/12/2020	ND	1.84	91.8	2.00	4.63	
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74	
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55	
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82	
Total BTEx	<0.300	0.300	06/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	480	16.0	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 9 @ 3' (H001553-65)

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	06/12/2020	ND	1.84	91.8	2.00	4.63		
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74		
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55		
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82		
Total BTEx	<0.300	0.300	06/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	256	16.0	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 9 @ 4' (H001553-66)

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	06/12/2020	ND	1.84	91.8	2.00	4.63		
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74		
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55		
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82		
Total BTEx	<0.300	0.300	06/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	06/11/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 107 % 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: 06/09/2020
 Reported: 06/15/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - EDDY CO NM

Sampling Date: 06/05/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kelly Jacobson

Sample ID: SP 9 @ 5' (H001553-67)

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	06/12/2020	ND	1.84	91.8	2.00	4.63		
Toluene*	<0.050	0.050	06/12/2020	ND	1.88	94.2	2.00	4.74		
Ethylbenzene*	<0.050	0.050	06/12/2020	ND	1.95	97.3	2.00	4.55		
Total Xylenes*	<0.150	0.150	06/12/2020	ND	5.67	94.5	6.00	4.82		
Total BTEx	<0.300	0.300	06/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	06/11/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2020	ND	196	97.9	200	1.08	
DRO >C10-C28*	<10.0	10.0	06/11/2020	ND	197	98.3	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	06/11/2020	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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1 of -

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 1

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: MLMU 212 (3-24-20)				State: Zip:																						
Project Location: Eddy County, NM				Phone #:																						
Sampler Name: Simon Rendon				Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH	EXT								
H001553																										
11	SP1 @ 13'	G	1										6/1/20	2:14 PM	✓	✓	✓									
12	SP2 @ 1'												6/1/20	2:53 PM	✓	✓	✓									
13	SP2 @ 2'												6/1/20	3:14 PM	✓	✓	✓									
14	SP2 @ 3'												6/1/20	3:37 PM	✓	✓	✓									
15	SP2 @ 4'												6/2/20	8:35 AM	✓	✓	✓									
16	SP2 @ 7'												6/2/20	9:17 AM	✓	✓	✓									
17	SP2 @ 10'												6/2/20	10:04 AM	✓	✓	✓									
18	SP2 @ 13'												6/2/20	11:16 AM	✓	✓	✓									
19	SP2 @ 16'												6/2/20	11:56 AM	✓	✓	✓									
20	SP3 @ 1'												6/2/20	1:07 PM	✓	✓	✓									

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Relinquished By:	Date: 6-9-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1652		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	0.4c	Sample Condition		
Sampler - UPS - Bus - Other:	#113	Cool Intact		
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
		CHECKED BY: (Initials)		
		KS		

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304 ✓

[illegible]

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Relinquished By: 		Date: 6-9-20	Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: 1652	Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials) 	REMARKS:	
Sampler - UPS - Bus - Other:		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				
0.4°C #113						

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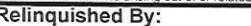
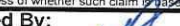
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 5

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: MLMU 212 (3-24-20)				State: Zip:																											
Project Location: Eddy County, NM				Phone #:																											
Sampler Name: Simon Rendon				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.		Sample I.D.																													
H001553																															
31		SP4 @ 15'																													
32		SP5 @ 1'																													
33		SP5 @ 2'																													
34		SP5 @ 3'																													
35		SP5 @ 4'																													
36		SP5 @ 7'																													
37		SP5 @ 10'																													
38		SP5 @ 13'																													
39		SP5 @ 15'																													
40		SP6 @ 1'																													

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Relinquished By: 		Date: 6-9-20	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: 1652		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)		Date:	Received By:	REMARKS:	
Sampler - UPS - Bus - Other:		Time:			
0.4°C #113			Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) 165	

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Released to Imaging: 3/23/2021 7:46:29 AM

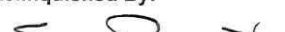




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5 of 7

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Relinquished By: 		Date: 6-9-20	Received By: 	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: 1652		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)		Sample Condition			
Sampler - UPS - Bus - Other:		Cool Intact		CHECKED BY:	
0.4c #113		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		(Initials) 	

Released to Imaging: 3/23/2021 7:46:29 AM



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6 of -

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: MLMU 212 (3-24-20)				State: Zip:																									
Project Location: Eddy 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															
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :				ACID/BASE: ICE / COOL OTHER :		DATE TIME															
H001553																													
51		SP7 @ 4'		9		1								6/4/20 12:47 PM															
52		SP7 @ 7'												6/4/20 1:46 PM															
53		SP7 @ 10'												6/4/20 2:53 PM															
54		SP7 @ 12'												6/4/20 3:36 PM															
55		SP8 @ 1'												6/5/20 8:37 AM															
56		SP8 @ 2'												6/5/20 8:49 AM															
57		SP8 @ 3'												6/5/20 9:02 AM															
58		SP8 @ 4'												6/5/20 9:14 AM															
59		SP8 @ 7'												6/5/20 10:00 AM															
60		SP8 @ 10'												6/5/20 10:58 AM															
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Relinquished By:				Date: 6-9-20		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
				Time: 1652						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:															
Relinquished By:				Date:		Received By:				REMARKS:																			
				Time:																									
Delivered By: (Circle One)						Sample Condition				CHECKED BY:																			
Sampler - UPS - Bus - Other:						Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				(Initials) 165																			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7 of 7

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: MLMU 212 (3-24-20)				State: Zip:																																							
Project Location: Eddy 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																															
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		BTX		TPH EXT													
H001553				G		1																6/5/20		11:48 AM		✓		✓		✓													
61		SP8 @ 13'																				6/4/20		12:55 PM		✓		✓		✓													
62		SP8 @ 16'																				6/5/20		1:25 PM		✓		✓		✓													
63		SP9 @ 1'																				6/5/20		1:40 PM		✓		✓		✓													
64		SP9 @ 2'																				6/5/20		1:52 PM		✓		✓		✓													
65		SP9 @ 3'																				6/5/20		2:03 PM		✓		✓		✓													
66		SP9 @ 4'																				6/5/20		2:17 PM		✓		✓		✓													
67		SP9 @ 5'																																									

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Relinquished By:		Date: 6-9-20		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		Time: 1652				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		0.4c		Sample Condition		CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other:		#113		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		h3			

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

December 16, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #212

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/11/2020
 Reported: 12/16/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/09/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 1 @ 14' (H003251-01)

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	416	104	400	0.00	

Sample ID: SB 1 @ 19' (H003251-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 29' (H003251-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 39' (H003251-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	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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Received: 12/11/2020
 Reported: 12/16/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/09/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 1 @ 49' (H003251-05)

Chloride, SM4500CI-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		

Sample ID: SB 1 @ 54' (H003251-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 1 @ 59' (H003251-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/15/2020	ND	416	104	400	0.00		

Sample ID: SB 2 @ 17' (H003251-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	12/15/2020	ND	416	104	400	0.00	

Sample ID: SB 2 @ 22' (H003251-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	12/15/2020	ND	400	100	400	7.69	QM-07	

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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
 Reported: 12/16/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/09/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 2 @ 32' (H003251-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 2 @ 42' (H003251-11)

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	400	100	400	7.69		

Sample ID: SB 2 @ 44' (H003251-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 2 @ 52' (H003251-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 3 @ 13' (H003251-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	12/15/2020	ND	400	100	400	7.69	

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Celey D. Keene, Lab Director/Quality Manager



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

Received: 12/11/2020
 Reported: 12/16/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/09/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 3 @ 18' (H003251-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 3 @ 23' (H003251-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 3 @ 33' (H003251-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 3 @ 38' (H003251-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 3 @ 43' (H003251-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/15/2020	ND	400	100	400	7.69	

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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
 Reported: 12/16/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/10/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 4 @ 17' (H003251-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 4 @ 22' (H003251-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 4 @ 32' (H003251-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 4 @ 42' (H003251-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 4 @ 47' (H003251-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/15/2020	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: 12/11/2020
 Reported: 12/16/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/10/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 4 @ 52' (H003251-25)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 5 @ 5' (H003251-26)

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	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 5 @ 10' (H003251-27)

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	12/15/2020	ND	400	100	400	7.69		

Sample ID: SB 5 @ 15' (H003251-28)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/15/2020	ND	400	100	400	7.69	

Sample ID: SB 5 @ 25' (H003251-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/15/2020	ND	432	108	400	3.77		

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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
 Reported: 12/16/2020
 Project Name: MLMU #212
 Project Number: (3-24-20)
 Project Location: OXY - LEA CO NM

Sampling Date: 12/10/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SB 5 @ 35' (H003251-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/15/2020	ND	432	108	400	3.77		

Sample ID: SB 5 @ 40' (H003251-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/15/2020	ND	432	108	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(P.104)

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: MLMU 212 (3-24-20)				State: Zip:															
Project Location: Lea County, NM				Phone #:															
Sampler Name: Simon Rendon				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(GRAB OR COMP.)	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	CL	BTEX	TPH	EXT									
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
H003251	1 SB1 @ 14'	G	1										12/9/20	11:10 AM	✓				
2	SB1 @ 19'												12/9/20	11:22 AM	✓				
3	SB1 @ 29'												12/9/20	11:50 AM	✓				
4	SB1 @ 39'												12/9/20	12:38 PM	✓				
5	SB1 @ 49'												12/9/20	1:05 PM	✓				
6	SB1 @ 54'												12/9/20	1:12 PM	✓				
7	SB1 @ 59'												12/9/20	1:23 PM	✓				
8	SB2 @ 17'												12/9/20	1:45 PM	✓				
9	SB2 @ 22'												12/9/20	1:52 PM	✓				
10	SB2 @ 32'												12/9/20	2:10 PM	✓				

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Relinquished By:	Date: 12-11-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1650		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: -1.1c #13	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) T.O.		

† 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

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: MLMU 212 (3-24-20)				State: Zip:																					
Project Location: Lea County, NM				Phone #:																					
Sampler Name: Simon Rendon				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CL	BTEX	TPH	EXT							
H003251																									
11	SB2 @ 42'	G	I			I					I		12/9/20	2:30 PM	✓										
12	SB2 @ 44'												12/9/20	2:47 PM	✓										
13	SB2 @ 52'												12/9/20	2:57 PM	✓										
14	SB3 @ 13'												12/9/20	3:28 PM	✓										
15	SB3 @ 18'												12/9/20	3:37 PM	✓										
16	SB3 @ 23'												12/9/20	3:51 PM	✓										
17	SB3 @ 33'												12/9/20	4:22 PM	✓										
18	SB3 @ 38'												12/9/20	4:36 PM	✓										
19	SB3 @ 43'												12/9/20	4:51 PM	✓										
20	SB4 @ 17'												12/10/20	12:41 PM	✓										

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Relinquished By:	Date: 12-11-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1050		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)		
	<input type="checkbox"/> Yes <input type="checkbox"/> No			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(3084)

Page 12 of 13

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: MLMU 212 (3-24-20)				State: Zip:																				
Project Location: Lea County, NM				Phone #:																				
Sampler Name: Simon Rendon				Fax #:																				
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	BTEX	TPH EXT							
H003251																								
21	SB4 @ 22'	G	I			I							12/10/20	1:00 PM	✓									
22	SB4 @ 32'												12/10/20	1:10 PM	✓									
23	SB4 @ 42'												12/10/20	1:20 PM	✓									
24	SB4 @ 47'												12/10/20	1:40 PM	✓									
25	SB4 @ 52'												12/10/20	2:00 PM	✓									
26	SB5 @ 5'												12/10/20	2:25 PM	✓									
27	SB5 @ 10'												12/10/20	2:30 PM	✓									
28	SB5 @ 15'												12/10/20	2:35 PM	✓									
29	SB5 @ 25'												12/10/20	3:00 PM	✓									
30	SB5 @ 35'												12/10/20	3:17 PM	✓									

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Relinquished By:	Date: 12-11-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 16:50		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: -1.1c #113	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Initials) TO.		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time:		Fax Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:		REMARKS:		
		Time:				
Delivered By: (Circle One)		Sample Condition		CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool Intact		(Initials)		
-1.1c #113		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		T.O.		

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 17238

CONDITIONS OF APPROVAL

Operator:	OXY USA INC	P.O. Box 4294	Houston, TX772104294	OGRID:	16696	Action Number:	17238	Action Type:	C-141
OCD Reviewer									Condition
chensley									None