

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/REMEDIATION WORKPLAN

OXY - CE LAMUNYON 1 CTB

(Leak Date: 10/17/18)

1RP-5263

This delineation workplan and remediation proposal addresses the releases associated with 1RP-5263.

The following information includes:

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

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

OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 and SP8 – SP10 (PURPLE shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP2 – SP5 (YELLOW shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP6 and SP7 (BLUE shade on diagram) will be excavated to a depth of 5 feet.

Bottom and sidewall confirmation samples will be collected every 75 feet. The estimated amount of soil to be excavated is 506 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.

(ft bgs)

Form C-141 Page 3

State of New Mexico Oil Conservation Division

What is the shallowest depth to groundwater beneath the area affected by the release?

Did this release impact groundwater or surface water?

Incident ID		j
District RP	1RP-5263	
Facility ID		
Application ID		

116

Yes No

Site Assessment/Characterization

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

Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ■ 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)?						
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?						
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?	☐ Yes ■ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ■ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ■ No					
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ■ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ■ No					
Are the lateral extents of the release overlying an unstable area such as karst geology?						
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ■ No					
Did the release impact areas not on an exploration, development, production, or storage site?						
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil					
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 well Field data Data table of soil contaminant concentration data Depth to water determination 	is _{s.}					
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information						
Topographic/Aerial maps Laboratory data including chain of custody						

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

Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	nOY1831238090	
District RP	1RP-5263	
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

Date: 2/10-2020

Telephone: (575) 390-2828

OCD Only

Received by: Cristina Eads

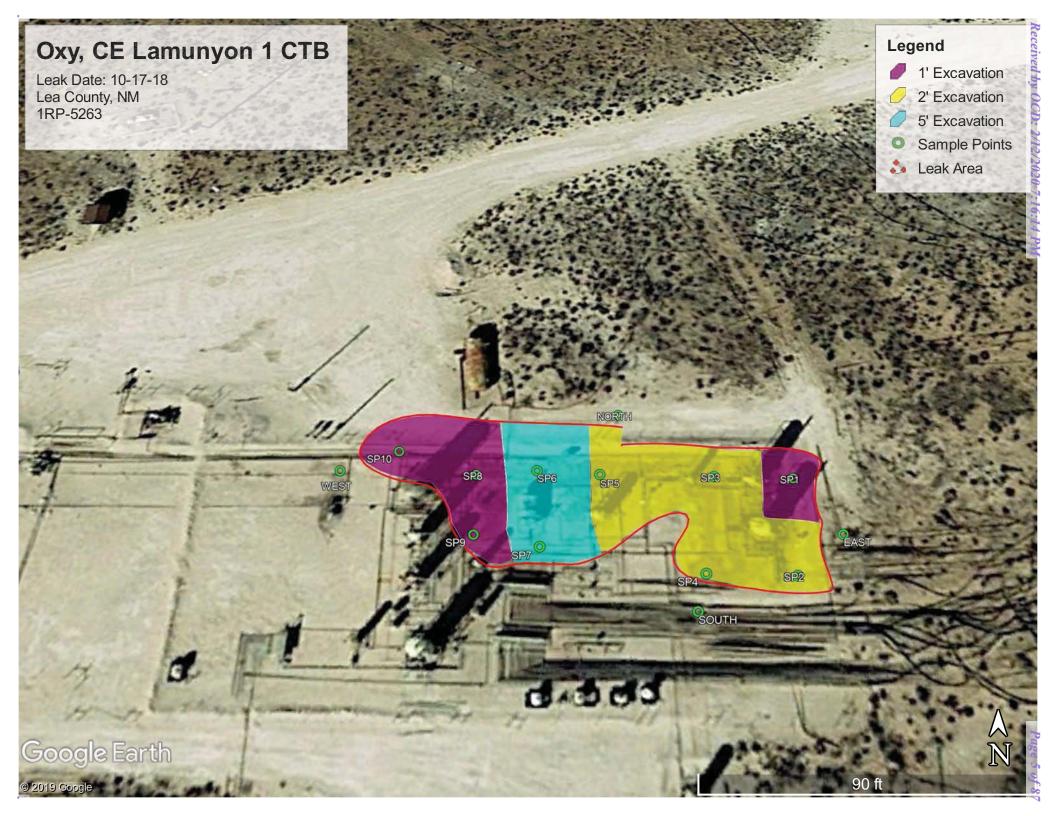
Date: 03/20/2020

Form C-141 Page 5 State of New Mexico
Oil Conservation Division

Incident ID	nOY1831238090	
District RP	1RP-5263	
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 Proposed schedule for remediation (note if remediation plan timel	(C)(4) NMAC line is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confi	was ad as naut of any years of fau defensed of any defense
Contamination must be in areas immediately under or around produce 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 rules and regulations all operators are required to report and/or file cer which may endanger public health or the environment. The acceptance liability should their operations have failed to adequately investigate a surface water, human health or the environment. In addition, OCD ac responsibility for compliance with any other federal, state, or local law	retain release notifications and perform corrective actions for releases the of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, ceptance of a C-141 report does not relieve the operator of
Printed Name: Wade Dittrich	Title: Environmental Coordinator
Signature: When Mitted	Date: 2-102020 Telephone: (575) 390-2828
email: wade_dittrich@oxy.com	Telephone: (575) 390-2828
Ontain:	retephone. V
OCD Only	
Received by:Cristina Eads	Date: _03/20/2020
Approved	pproval Deferral Approved
Signature: Durlan & D	ate: 03/20/2020



Oxy, CE Lamunyon 1 CTB

Sample points

SP1, N 32.27987 W-103.16292

SP2, N 32.27977 W-103.16293

SP3, N 32.27987 W-103.16300

SP4, N 32.27977 W-103.16302

SP5, N 32.27987 W-103.16312

SP6, N 32.27987 W-103.16318

SP7, N 32.27980 W-103.16318

SP8, N 32.27987 W-103.16325

SP9, N 32.27981 W-103.16325

SP10, N 32.27989 W-103.16333

NORTH, N 32.27993 W-103.16310

SOUTH, N 32.27974 W-103.16303

EAST, N 32.27981 W-103.16288

WEST, N 32.27987 W-103.16339

Oxy, CE Lamunyon 1 CTB U/L A Section 28, T23S, R37E

Groundwater: 75'





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:		
Groundwater ~	New Mexico	~	GO

Click to hideNews Bulletins

- Please see news on new formats
- UPDATE, 11/2: The USGS continues to make progress on restoring all of its gages. As of 3 p.m. Friday, November 2, less than 3 percent of USGS streamgages are still not transmitting due to an issue with the telemetry system that records and transmits streamgage data. The USGS will continue to work through the weekend to bring the streamgages back online. Read more
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs site_no list = • 321617103102901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321617103102901 23S.37E.28.133424

Lea County, New Mexico Latitude 32°16'33", Longitude 103°10'28" NAD27 Land-surface elevation 3,315.40 feet above NGVD29 The depth of the well is 150 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 measureme
1968-03-01		D	118.36			2		U		
1970-12-16		D	118.14			2		U		
1976-01-14		D	117.91			2		U		
1981-03-25		D	117.52			2		U		
1986-03-20		D	117.20			2		U		
1991-05-16		D	117.05			2		U		
1996-02-22		D	116.85			2		S		

Exp	lanation	

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		

Section	Code	Description		
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	Α	Approved for publication Processing and review completed.		

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility Plug-Ins FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels

 $\label{lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:url:lem:u$

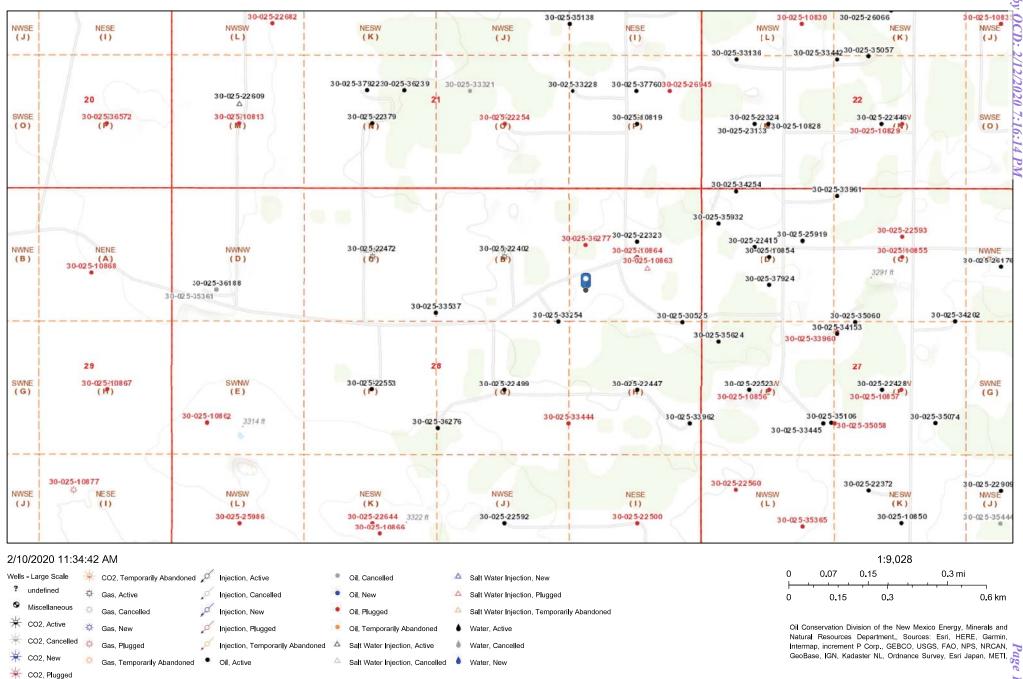
Page Contact Information: New Mexico Water Data Maintainer

Page Last Modified: 2018-11-05 17:40:24 EST

0.53 0.47 nadww01

USA.gov

Oxy, CE Lamunyon 1 CTB, 3,000ft to h2o



Oxy, CE Lamunyon 1 CTB

Leak Date: 10-17-18 Lea County, NM 1RP-5263

BLM CAVE KARST MAP





Leak Area



Low Potential



National Flood Hazard Layer FIRMette Legend **FEMA** SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, A SPECIAL FLOOD **HAZARD AREAS Regulatory Floodway** T23S R37E S21 T23S R37E S22 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drain ie areas of less than one square mile zo. Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D **GENERAL** - - - Channel, Culvert, or Storm Sewer STRUCTURES | IIIIII Levee, Dike, or Floodwall Cross Sections with 1% Annual Chance Water Surface Elevation **Coastal Transect** LEA COUNTY Base Flood Elevation Line (BFE) 350130 Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline FEATURES** Hydrographic Feature T23S R37ENot Printed T23S R37E S27 Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. The basemap shown complies with FEMA's basemap accuracy standards

USGS The National Map: Ortholmagery. Data refreshed October 2017.

1:6,000

Feet

2,000

250

500

1,000

1,500

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/5/2018 at 5:48:23 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.

Laboratory Analytical Results Summary CE Lamunyon 1 CTB (10/17/18)

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<1.00	<0.050	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		1.62	0.084	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		8.27	0.302	< 0.050	< 0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		19	0.811	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		28.8	1.2	<0.300	< 0.300	<0.300	< 0.300
Chloride	SM4500CI-B		<16.0	32	16	32	32	32
GRO	TPH 8015M		1290	17.1	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		13100	109	27.5	21.7	<10.0	<10.0
EXT DRO	TPH 8015M		1740	45.1	<10.0	<10.0	<10.0	<10.0

			SP2 @								
		Sample ID	SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'	SP2 @ 8'
Analyte	Method	Date	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18	1/6/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.200	<0.050	< 0.050	<0.050	<0.050	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		3.09	0.817	< 0.050	0.107	0.152	0.427	0.233	0.092	< 0.050
Ethylbenzene	BTEX 8021B		12	2.29	0.186	0.256	0.267	1	0.427	0.261	<0.050
Total Xylenes	BTEX 8021B		32.4	6.79	0.725	0.855	0.75	3.03	1.37	0.851	<0.150
Total BTEX	BTEX 8021B		47.5	9.9	0.911	1.22	1.17	4.46	2.03	1.2	< 0.300
Chloride	SM4500CI-B		32	1640	4080	3160	11500	10000	12300	3280	16.0
GRO	TPH 8015M		1160	237	17.6	14.7	10.3	38.8	14	16.3	<10.0
DRO	TPH 8015M		12300	2350	189	83.9	104	379	152	81.9	10.1
EXT DRO	TPH 8015M		1760	520	13	<10.0	10.5	64.2	19	<10.0	<10.0

			SP3 @				
		Sample ID	SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		8.89	0.394	0.269	<0.050	0.155
Ethylbenzene	BTEX 8021B		18.6	0.808	0.487	<0.050	0.292
Total Xylenes	BTEX 8021B		53.6	2.46	1.43	<0.150	1.02
Total BTEX	BTEX 8021B		81	3.67	2.18	<0.300	1.47
Chloride	SM4500CI-B		128	112	32	32	48
GRO	TPH 8015M		2090	56.9	16.3	<10.0	17.5
DRO	TPH 8015M		17500	1070	512	12.9	575
EXT DRO	TPH 8015M	·	2620	453	255	<10.0	210

			SP4@				
		Sample ID	SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
Analyte	Method	Date	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<1.00	<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		14.8	9.54	<0.050	0.078	<0.050
Ethylbenzene	BTEX 8021B		24.4	26.5	0.089	0.388	<0.050
Total Xylenes	BTEX 8021B		67.9	78.6	0.318	1.53	<0.150
Total BTEX	BTEX 8021B		107	115	0.407	2	<0.300
Chloride	SM4500CI-B		160	48	32	16	64
GRO	TPH 8015M		2560	2660	<10.0	21.7	<10.0
DRO	TPH 8015M		23300	14200	77.9	162	23.4
EXT DRO	TPH 8015M		3290	2110	<10.0	11.8	<10.0

			SP5 @					
		Sample ID	SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
Analyte	Method	Date	11/1/18	11/1/18	11/1/18	11/1/18	11/1/18	11/2/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	< 0.050	<0.050	<0.050
Toluene	BTEX 8021B		5.66	1.38	< 0.050	0.101	0.415	0.318
Ethylbenzene	BTEX 8021B		12.7	8.39	1.06	0.938	0.969	0.861
Total Xylenes	BTEX 8021B		37.6	20.5	1.79	2.34	2.95	2.52
Total BTEX	BTEX 8021B		56	30.2	2.85	3.38	4.33	3.7
Chloride	SM4500CI-B		16	64	80	80	48	96
GRO	TPH 8015M		1090	385	30.9	56.3	38.5	29.8
DRO	TPH 8015M		11500	1980	465	367	287	211
EXT DRO	TPH 8015M		1610	326	196	65.2	65.8	38

		Sample ID	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'	SP6 @ 6'
Analyte	Method	Date	11/2/18	11/2/18	11/2/18	11/2/18	11/2/18	1/6/20	1/6/20
_			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.500	0.532	<0.500	<0.050	<0.050
Toluene	BTEX 8021B		5.74	0.237	5.12	6.89	13.1	<0.050	<0.050
Ethylbenzene	BTEX 8021B		15	0.474	15.5	19.7	22.8	<0.050	<0.050
Total Xylenes	BTEX 8021B		44.7	1.58	39.4	47.3	49.5	<0.150	<0.150
Total BTEX	BTEX 8021B		65.5	2.29	60.1	74.4	85.4	<0.300	<0.300
Chloride	SM4500CI-B		32	32	32	32	48	16.0	16.0
GRO	TPH 8015M		1550	17.3	979	1480	778	<10.0	<10.0
DRO	TPH 8015M		11800	143	5960	7440	2450	200	<10.0
EXT DRO	TPH 8015M		1550	90.6	924	1170	438	29.8	<10.0

			SP7 @					
		Sample ID	SURFACE	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'
Analyte	Method	Date	11/2/18	11/2/18	11/2/18	11/2/18	11/2/18	1/6/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	< 0.050	<0.200	<0.050
Toluene	BTEX 8021B		0.255	0.26	0.095	0.181	6.27	<0.050
Ethylbenzene	BTEX 8021B		0.494	0.521	0.099	0.25	14.6	< 0.050
Total Xylenes	BTEX 8021B		1.49	1.59	0.266	0.585	32.4	<0.150
Total BTEX	BTEX 8021B		2.24	2.37	0.46	1.02	53.2	<0.300
Chloride	SM4500CI-B		16	48	<16.0	32	32	<16.0
GRO	TPH 8015M		11.9	15.5	<10.0	30	662	<10.0
DRO	TPH 8015M		714	145	1980	2800	2640	48.5
EXT DRO	TPH 8015M		190	67.6	899	734	361	<10.1

			SP8 @			
		Sample ID	SURFACE	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'
Analyte	Method	Date	11/2/18	11/2/18	11/2/18	11/2/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	< 0.050
Toluene	BTEX 8021B		0.4	<0.050	<0.050	< 0.050
Ethylbenzene	BTEX 8021B		0.489	0.081	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		1.33	0.291	<0.150	<0.150
Total BTEX	BTEX 8021B		2.22	0.372	<0.300	< 0.300
Chloride	SM4500CI-B		48	<16.0	64	<16.0
GRO	TPH 8015M		19.7	<10.0	<10.0	<10.0
DRO	TPH 8015M		4890	52.8	<10.0	<10.0
EXT DRO	TPH 8015M		898	12	<10.0	<10.0

Laboratory Analytical Results Summary CE Lamunyon 1 CTB (10/17/18)

			SP9 @				
		Sample ID	SURFACE	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'	SP9 @ 4'
Analyte	Method	Date	11/2/18	11/2/18	11/2/18	11/2/18	11/2/18
			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		0.121	0.226	0.156	0.113	0.138
Ethylbenzene	BTEX 8021B		0.286	0.288	0.235	0.127	0.218
Total Xylenes	BTEX 8021B		0.924	0.783	0.622	0.351	0.565
Total BTEX	BTEX 8021B		1.33	1.3	1.01	0.591	0.921
Chloride	SM4500CI-B		32	32	32	48	32
GRO	TPH 8015M		13.4	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		2550	251	290	207	137
EXT DRO	TPH 8015M		519	149	140	77.7	51.4

		Sample ID	SP10 @ SURFACE	SP10 @ 1'	SP10 @ 2'
Analyte	Method	Date	11/2/18	11/2/18	11/2/18
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.075	0.125	< 0.050
Ethylbenzene	BTEX 8021B		0.179	0.239	<0.050
Total Xylenes	BTEX 8021B		0.504	0.723	<0.150
Total BTEX	BTEX 8021B		0.759	1.09	<0.300
Chloride	SM4500CI-B		<16.0	32	32
GRO	TPH 8015M		11.1	14.9	<10.0
DRO	TPH 8015M		158	52	<10.0
EXT DRO	TPH 8015M		92	29.1	<10.0

			NORTH @	EAST @	WEST @	SOUTH@
		Sample ID	SURFACE	SURFACE	SURFACE	SURFACE
Analyte	Method	Date	11/2/18	11/2/18	11/2/18	11/2/18
			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	SM4500CI-B		32	48	32	48
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, CE Lamunyon 10-17-18

		Sample ID	SP2 @ 8'	SP6 @ 5'	SP6 @ 6'	SP7 @ 5'
Analyte	Method	Date	1/6/20	1/6/20	1/6/20	1/6/20
			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	SM4500CI-B		16.0	16.0	16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		10.1	200	<10.0	48.5
EXT DRO	TPH 8015M		<10.0	29.8	<10.0	<10.1



November 14, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: CE LAMUNYON 1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/07/18 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celeg D. Keens

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 1 @ SURFACE (H803218-01)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	1.62	1.00	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	8.27	1.00	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	19.0	3.00	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	28.8	6.00	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.8-14	12						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1290	50.0	11/09/2018	ND	179	89.4	200	1.94	
DRO >C10-C28*	13100	50.0	11/09/2018	ND	206	103	200	0.103	
EXT DRO >C28-C36	1740	50.0	11/09/2018	ND					
Surrogate: 1-Chlorooctane	181	% 41-142	?						
Surrogate: 1-Chlorooctadecane	386	% 37.6-14	7						

A -- - I --- - - I D--- ---

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported:

BTEX 8021B

11/07/2018

11/14/2018

Project Name:

CE LAMUNYON 1 CTB

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sampling Date:

11/01/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact Tamara Oldaker

Sample Received By:

Sample ID: SP 1 @ 1' (H803218-02)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.084	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	0.302	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	0.811	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	1.20	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2 %	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.1	10.0	11/10/2018	ND	179	89.4	200	1.94	
DRO >C10-C28*	109	10.0	11/10/2018	ND	206	103	200	0.103	
EXT DRO >C28-C36	45.1	10.0	11/10/2018	ND					

Analyzed By: ms

Surrogate: 1-Chlorooctane

101 %

41-142

Surrogate: 1-Chlorooctadecane

107 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

90.9 %

37.6-147

Sample ID: SP 1 @ 2' (H803218-03)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	<0.050	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	<0.050	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	<0.150	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	<0.300	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2018	ND	179	89.4	200	1.94	
DRO >C10-C28*	27.5	10.0	11/09/2018	ND	206	103	200	0.103	
EXT DRO >C28-C36	<10.0	10.0	11/09/2018	ND					
Surrogate: 1-Chlorooctane	87.5 9	% 41-142	,						

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegy Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

79.9 %

37.6-147

Sample ID: SP 1 @ 3' (H803218-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	<0.050	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	<0.050	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	<0.150	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	<0.300	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2018	ND	179	89.4	200	1.94	
DRO >C10-C28*	21.7	10.0	11/09/2018	ND	206	103	200	0.103	
EXT DRO >C28-C36	<10.0	10.0	11/09/2018	ND					
Surrogate: 1-Chlorooctane	77.5	% 41-142							

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 1 @ 4' (H803218-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	<0.050	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	<0.050	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	<0.150	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	<0.300	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7 %	69.8-14	2						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2018	ND	179	89.4	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/09/2018	ND	206	103	200	0.103	
EXT DRO >C28-C36	<10.0	10.0	11/09/2018	ND					
Surrogate: 1-Chlorooctane	81.9 %	6 41-142	?						
Surrogate: 1-Chlorooctadecane	83.3 %	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 1 @ 5' (H803218-06)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	<0.050	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	< 0.050	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	<0.150	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	<0.300	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2 9	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/13/2018	ND	179	89.4	200	1.94	
DRO >C10-C28*	<10.0	10.0	11/13/2018	ND	206	103	200	0.103	
EXT DRO >C28-C36	<10.0	10.0	11/13/2018	ND					
Surrogate: 1-Chlorooctane	106 %	% 41-142	?						
Surrogate: 1-Chlorooctadecane	102 %	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 2 @ SURFACE (H803218-07)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	3.09	0.200	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	12.0	0.200	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	32.4	0.600	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	47.5	1.20	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1160	50.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	12300	50.0	11/10/2018	ND	214	107	200	3.40	QM-07
EXT DRO >C28-C36	1760	50.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	170	% 41-142	,						
Surrogate: 1-Chlorooctadecane	388	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

11/14/2018

Sampling Date:

11/01/2018

Reported:

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 2 @ 1' (H803218-08)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	ery True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.817	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	2.29	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	6.79	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	9.90	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 69.8-14	12						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	237	50.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	2350	50.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	520	50.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	107	% 41-142	?						
Surrogate: 1-Chlorooctadecane	153	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Reported: Project Name:

11/14/2018 CE LAMUNYON 1 CTB

Project Number:

Project Location:

(10/17/18)OXY - LEA CO NM Sampling Date:

11/01/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 2 @ 2' (H803218-09)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	<0.050	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	0.186	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	0.725	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	0.911	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.6	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	189	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	13.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	92.4	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	96.8	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 2 @ 3' (H803218-10)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.107	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	0.256	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	0.855	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	1.22	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.8-14	22						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.7	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	83.9	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	91.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	95.7	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegy Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 2 @ 4' (H803218-11)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.152	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	0.267	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	0.750	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	1.17	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.3	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11500	16.0	11/09/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.3	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	104	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	10.5	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	87.5	% 41-142							
Surrogate: 1-Chlorooctadecane	90.2	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

64.2

Sample ID: SP 2 @ 5' (H803218-12)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.427	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	1.00	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	3.03	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	4.46	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Chloride, SM4500Cl-B Analyte	mg, Result	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			-	-	BS 432	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Analyte	Result	Reporting Limit	Analyzed 11/09/2018	Method Blank		,	·		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 11/09/2018	Method Blank		,	·		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 10000 mg/	Reporting Limit 16.0	Analyzed 11/09/2018 Analyze	Method Blank ND d By: MS	432	108	400	3.77	

ND

Analyzed By: ms

Surrogate: 1-Chlorooctane 94.7 %
Surrogate: 1-Chlorooctadecane 102 %

37.6-147

41-142

11/10/2018

10.0

Cardinal Laboratories

EXT DRO > C28 - C36

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported:

BTEX 8021B

DRO >C10-C28*

EXT DRO > C28 - C36

11/07/2018

11/14/2018

Project Name:

CE LAMUNYON 1 CTB

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sampling Date:

11/01/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: SP 2 @ 6' (H803218-13)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.233	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	0.427	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	1.37	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	2.03	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12300	16.0	11/10/2018	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.0	10.0	11/10/2018	ND	192	95.8	200	4.38	

ND

ND

214

107

200

3.40

11/10/2018

11/10/2018

Analyzed By: ms

Surrogate: 1-Chlorooctane 90.9 % 41-142 Surrogate: 1-Chlorooctadecane 96.6 % 37.6-147

152

19.0

10.0

10.0

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

11/14/2018

Sampling Date:

11/01/2018

Reported: Project Name:

Sampling Type:

Soil

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 2 @ 7' (H803218-14)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.092	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	0.261	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	0.851	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	1.20	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	11/10/2018	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*	16.3	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	81.9	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	91.8	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.4	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

11/14/2018

Sampling Date:

11/01/2018

Reported: Project Name:

CE LAMUNYON 1 CTB

Sampling Type: Sampling Condition: Soil

Project Number:

(10/17/18)

Sample Received By:

Cool & Intact Tamara Oldaker

Project Location:

OXY - LEA CO NM

Sample ID: SP 3 @ SURFACE (H803218-15)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	8.89	0.500	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	18.6	0.500	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	53.6	1.50	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	81.0	3.00	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/10/2018	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2090	50.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	17500	50.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	2620	50.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	217	% 41-142	?						
Surrogate: 1-Chlorooctadecane	504	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 11/07/2018

11/14/2018

Project Name:

CE LAMUNYON 1 CTB

(10/17/18)

Project Number: Project Location:

OXY - LEA CO NM

Sampling Date:

11/01/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP 3 @ 1' (H803218-16)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/09/2018	ND	2.02	101	2.00	0.180	
Toluene*	0.394	0.050	11/09/2018	ND	1.90	94.8	2.00	2.33	
Ethylbenzene*	0.808	0.050	11/09/2018	ND	1.83	91.5	2.00	2.34	
Total Xylenes*	2.46	0.150	11/09/2018	ND	5.77	96.2	6.00	2.30	
Total BTEX	3.67	0.300	11/09/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 69.8-14	12						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/10/2018	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*	56.9	50.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	1070	50.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	453	50.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	89.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	133	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sample ID: SP 3 @ 2' (H803218-17)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.269	0.050	11/11/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.487	0.050	11/11/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	1.43	0.150	11/11/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	2.18	0.300	11/11/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.8-14	2						
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	11/10/2018	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*	16.3	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	512	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	255	10.0	11/10/2018	ND					

Analyzed By: ms

Surrogate: 1-Chlorooctane 101 % 41-142 Surrogate: 1-Chlorooctadecane 119 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Kreene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

RTFY 8021R

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

ma/ka

Sample ID: SP 3 @ 3' (H803218-18)

B1EX 8021B	тд/кд		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	<0.050	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	<0.050	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	<0.150	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	<0.300	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.1	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2018	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	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	12.9	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	89.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	93.2	% 37.6-14	7						

Analyzed By: me

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

(10/17/18)

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Project Number: Project Location:

OXY - LEA CO NM

Sample ID: SP 3 @ 4' (H803218-19)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recov	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.155	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.292	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	1.02	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	1.47	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.6	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/10/2018	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*	17.5	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	575	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	210	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	85.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	106	% 37.6-14	7						

Surrogate: 1-Chlorooctadecane

106 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegy Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 4 @ SURFACE (H803218-20)

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	14.8	1.00	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	24.4	1.00	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	67.9	3.00	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	107	6.00	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.8-14	22						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2560	100	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	23300	100	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	3290	100	11/10/2018	ND					
Surrogate: 1-Chlorooctane	146	% 41-142	?						
Surrogate: 1-Chlorooctadecane	644	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegy Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sample ID: SP 4 @ 1' (H803218-21)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/11/2018	ND	2.04	102	2.00	1.26	
Toluene*	9.54	0.500	11/11/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	26.5	0.500	11/11/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	78.6	1.50	11/11/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	115	3.00	11/11/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2660	100	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	14200	100	11/10/2018	ND	214	107	200	3.40	

Analyzed By: ms

Surrogate: 1-Chlorooctane

149 %

41-142

Surrogate: 1-Chlorooctadecane

393 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 4 @ 2' (H803218-22)

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2018	ND	2.04	102	2.00	1.26	
Toluene*	<0.050	0.050	11/11/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.089	0.050	11/11/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	0.318	0.150	11/11/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	0.407	0.300	11/11/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.8-14	22						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	77.9	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	86.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	91.8	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegy Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 4 @ 3' (H803218-23)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.078	0.050	11/11/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.388	0.050	11/11/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	1.53	0.150	11/11/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	2.00	0.300	11/11/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.7	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	162	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	11.8	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	91.7	% 41-142	·						
Surrogate: 1-Chlorooctadecane	98.1	% 37 6-14	7						

Surrogate: 1-Chlorooctadecane 98.1 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

11/14/2018

Sampling Date: Sampling Type: 11/01/2018

Reported: Project Name:

CE LAMUNYON 1 CTB

Soil

Project Number:

(10/17/18)

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

OXY - LEA CO NM

Sample ID: SP 4 @ 4' (H803218-24)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	< 0.050	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	< 0.050	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	< 0.150	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	<0.300	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.9	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	23.4	10.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	86.2 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	89.3 9	37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 5 @ SURFACE (H803218-25)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	5.66	0.500	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	12.7	0.500	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	37.6	1.50	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	56.0	3.00	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1090	50.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	11500	50.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	1610	50.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	152 9	6 41-142	!						
Surrogate: 1-Chlorooctadecane	378 9	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 5 @ 1' (H803218-26)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	1.38	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	8.39	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	20.5	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	30.2	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	385	50.0	11/10/2018	ND	192	95.8	200	4.38	
DRO >C10-C28*	1980	50.0	11/10/2018	ND	214	107	200	3.40	
EXT DRO >C28-C36	326	50.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	,						
Surrogate: 1-Chlorooctadecane	133	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact

Project Number: Project Location: (10/17/18)

100 %

37.6-147

OXY - LEA CO NM

Tamara Oldaker

Sample ID: SP 5 @ 2' (H803218-27)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	<0.050	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	1.06	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	1.79	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	2.85	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	30.9	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	465	10.0	11/10/2018	ND	206	103	200	2.22	QR-03
EXT DRO >C28-C36	196	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	95.3	% 41-142							

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/01/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sample ID: SP 5 @ 3' (H803218-28)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.101	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.938	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	2.34	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	3.38	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.8-14.	2						
CLI : L CHAFFORDI B		L	A l						
Chloride, SM4500Cl-B	mg/	кд	Anaiyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			<u> </u>		BS 400	% Recovery	True Value QC	RPD 3.92	Qualifier
Analyte	Result	Reporting Limit	Analyzed 11/10/2018	Method Blank		•	·		Qualifier
Analyte Chloride	Result 80.0	Reporting Limit	Analyzed 11/10/2018	Method Blank		•	·		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 80.0 mg/	Reporting Limit 16.0	Analyzed 11/10/2018 Analyze	Method Blank ND d By: MS	400	100	400	3.92	
Analyte Chloride TPH 8015M Analyte	Result 80.0 mg/	Reporting Limit 16.0 kg Reporting Limit	Analyzed 11/10/2018 Analyzed Analyzed	Method Blank ND d By: MS Method Blank	400 BS	100 % Recovery	400 True Value QC	3.92 RPD	

Analyzed By: ms

Surrogate: 1-Chlorooctane

88.2 %

41-142

Surrogate: 1-Chlorooctadecane

104 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

11/14/2018

Sampling Date:

11/01/2018

Reported: Project Name:

Sampling Type:

Soil

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 5 @ 4' (H803218-29)

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.415	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.969	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	2.95	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	4.33	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.5	10.0	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	287	10.0	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	65.8	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	90.5	% 41-142	?						
Surrogate: 1-Chlorooctadecane	95.0	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sample ID: SP 5 @ 5' (H803218-30)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.318	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.861	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	2.52	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	3.70	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29.8	10.0	11/10/2018	ND	187	93.5	200	1.54	
GRO C6-C10* DRO >C10-C28*	29.8 211	10.0 10.0	11/10/2018 11/10/2018	ND ND	187 205	93.5 103	200 200	1.54 0.219	

Analyzed By: ms

Surrogate: 1-Chlorooctane

88.8 %

41-142

Surrogate: 1-Chlorooctadecane

89.4 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

RTFY 8021R

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 6 @ SURFACE (H803218-31)

BIEX 8021B	mg	/кд	Anaiyze	ea By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/11/2018	ND	2.04	102	2.00	1.26	
Toluene*	5.74	0.500	11/11/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	15.0	0.500	11/11/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	44.7	1.50	11/11/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	65.5	3.00	11/11/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1550	100	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	11800	100	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	1550	100	11/10/2018	ND					
Surrogate: 1-Chlorooctane	180	% 41-142							
Surrogate: 1-Chlorooctadecane	362	% 37.6-14	7						

Analyzed By: me

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 6 @ 1' (H803218-32)

BTEX 8021B	mg,	mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.237	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.474	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	1.58	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	2.29	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.3	10.0	11/11/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	143	10.0	11/11/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	90.6	10.0	11/11/2018	ND					
Surrogate: 1-Chlorooctane	86.2	% 41-142	?						
Surrogate: 1-Chlorooctadecane	97.0	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition:

Cool & Intact

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 2' (H803218-33)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/11/2018	ND	2.04	102	2.00	1.26	
Toluene*	5.12	0.500	11/11/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	15.5	0.500	11/11/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	39.4	1.50	11/11/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	60.1	3.00	11/11/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Chloride, SM4500CI-B Analyte	mg ,	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
			<u> </u>		BS 400	% Recovery	True Value QC	RPD 3.92	Qualifier
Analyte	Result	Reporting Limit	Analyzed 11/10/2018	Method Blank		·	·		Qualifier S-06
Analyte Chloride	Result	Reporting Limit	Analyzed 11/10/2018	Method Blank		·	·		·
Analyte Chloride TPH 8015M	Result 32.0	Reporting Limit 16.0	Analyzed 11/10/2018 Analyze	Method Blank ND d By: MS	400	100	400	3.92	S-06

ND

Analyzed By: ms

Surrogate: 1-Chlorooctane 149 %
Surrogate: 1-Chlorooctadecane 247 %

924

41-142 37.6-147

11/10/2018

100

Cardinal Laboratories

EXT DRO > C28 - C36

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition:

Cool & Intact

Project Number:

(10/17/18)

Sample Received By:

Tamara Oldaker

Project Location:

OXY - LEA CO NM

Sample ID: SP 6 @ 3' (H803218-34)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.532	0.500	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	6.89	0.500	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	19.7	0.500	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	47.3	1.50	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	74.4	3.00	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.8-14	2						
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	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1480	100	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	7440	100	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	1170	100	11/10/2018	ND					
Surrogate: 1-Chlorooctane	175	% 41-142	?						
Surrogate: 1-Chlorooctadecane	282	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date: 11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 6 @ 4' (H803218-35)

BTEX 8021B	mg	mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	13.1	0.500	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	22.8	0.500	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	49.5	1.50	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	85.4	3.00	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.8-14	2						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/10/2018	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	778	10.0	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	2450	10.0	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	438	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	125	% 41-142	?						
Surrogate: 1-Chlorooctadecane	159	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

118 %

37.6-147

Sample ID: SP 7 @ SURFACE (H803218-36)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2018	ND	2.04	102	2.00	1.26	
Toluene*	0.255	0.050	11/10/2018	ND	2.06	103	2.00	2.25	
Ethylbenzene*	0.494	0.050	11/10/2018	ND	1.87	93.6	2.00	1.13	
Total Xylenes*	1.49	0.150	11/10/2018	ND	5.93	98.8	6.00	1.21	
Total BTEX	2.24	0.300	11/10/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.9	10.0	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	714	10.0	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	190	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	83.75	% 41-142	?						

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

97.1 %

37.6-147

Sample ID: SP 7 @ 1' (H803218-37)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.260	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.521	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	1.59	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	2.37	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.5	10.0	11/11/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	145	10.0	11/11/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	67.6	10.0	11/11/2018	ND					
Surrogate: 1-Chlorooctane	86.8	% 41-142							

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sample ID: SP 7 @ 2' (H803218-38)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.095	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.099	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.266	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	0.460	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2018	ND	187	93.5	200	1.54	
	<10.0	10.0	11/11/2010	ND	107	33.3	200	1.5.	

ND

Analyzed By: ms

Surrogate: 1-Chlorooctane

87.6 %

899

41-142

11/11/2018

10.0

Surrogate: 1-Chlorooctadecane

EXT DRO > C28 - C36

177 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported:

BTEX 8021B

11/07/2018

11/14/2018

Project Name:

CE LAMUNYON 1 CTB

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sampling Date:

11/02/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact
Tamara Oldaker

Sample Received By:

Sample ID: SP 7 @ 3' (H803218-39)

		_		-					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.181	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.250	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.585	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	1.02	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	30.0	10.0	11/11/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	2800	10.0	11/11/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	734	10.0	11/11/2018	ND					

Analyzed By: ms

Surrogate: 1-Chlorooctane

97.3 %

41-142

Surrogate: 1-Chlorooctadecane

169 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

Sample ID: SP 7 @ 4' (H803218-40)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	6.27	0.200	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	14.6	0.200	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	32.4	0.600	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	53.2	1.20	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	131	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	662	50.0	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	2640	50.0	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	361	50.0	11/10/2018	ND					

Analyzed By: ms

Surrogate: 1-Chlorooctane

125 %

41-142

Surrogate: 1-Chlorooctadecane

164 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Reported: Project Name: 11/14/2018

Project Number:

CE LAMUNYON 1 CTB

Project Location:

(10/17/18)OXY - LEA CO NM Sampling Date:

11/02/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: SP 8 @ SURFACE (H803218-41)

BTEX 8021B	mg/kg An		Analyze	nalyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.400	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.489	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	1.33	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	2.22	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.7	10.0	11/12/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	4890	10.0	11/12/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	898	10.0	11/12/2018	ND					
Surrogate: 1-Chlorooctane	87.7	% 41-142	!						
Surrogate: 1-Chlorooctadecane	245 9	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 8 @ 1' (H803218-42)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.081	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.291	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	0.372	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.8-14	2						
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	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	52.8	10.0	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	12.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	84.2	% 41-142							
Surrogate: 1-Chlorooctadecane	89.9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 8 @ 2' (H803218-43)

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	<0.150	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	<0.300	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 69.8-14.	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	<10.0	10.0	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	86.4	% 41-142							
Surrogate: 1-Chlorooctadecane	91.4	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 11/07/2018

11/14/2018

Project Name:

CE LAMUNYON 1 CTB

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sampling Date:

11/02/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP 8 @ 3' (H803218-44)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	<0.150	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	<0.300	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	69.8-14	2						
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	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	<10.0	10.0	11/10/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	92.1	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	95.7	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 11/07/2018

11/14/2018

Project Name: Project Number: CE LAMUNYON 1 CTB

(10/17/18)

Project Location:

OXY - LEA CO NM

Sampling Date:

11/02/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP 9 @ SURFACE (H803218-45)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.121	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.286	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.924	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	1.33	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.4	10.0	11/12/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	2550	10.0	11/12/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	519	10.0	11/12/2018	ND					
Surrogate: 1-Chlorooctane	80.0	% 41-142	!						
Surrogate: 1-Chlorooctadecane	170	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 11/07/2018

11/14/2018

Project Name:

CE LAMUNYON 1 CTB

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sampling Date:

11/02/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: SP 9 @ 1' (H803218-46)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.226	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.288	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.783	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	1.30	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	251	10.0	11/12/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	149	10.0	11/12/2018	ND					
Surrogate: 1-Chlorooctane	81.9	% 41-142	!						
Surrogate: 1-Chlorooctadecane	97.1	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 9 @ 2' (H803218-47)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.156	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.235	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.622	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	1.01	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/12/2018	ND	187	93.5	200	1.54	
DRO >C10-C28*	290	10.0	11/12/2018	ND	205	103	200	0.219	
EXT DRO >C28-C36	140	10.0	11/12/2018	ND					
Surrogate: 1-Chlorooctane	83.9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	98.3	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

mg/kg

104 %

41-142

37.6-147

Sample ID: SP 9 @ 3' (H803218-48)

DIEX COLLD	9, 1.9		Analyzea Byr mo						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.113	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.127	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.351	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	0.591	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	207	10.0	11/10/2018	ND	206	103	200	2.22	

Analyzed By: ms

Surrogate: 1-Chlorooctadecane 95.1 %

Surrogate: 1-Chlorooctane

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 11/07/2018

11/14/2018

Project Name:

CE LAMUNYON 1 CTB

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sampling Date:

11/02/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 9 @ 4' (H803218-49)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.138	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.218	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.565	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	0.921	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	137	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	51.4	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	101 9	% 41-142	1						
Surrogate: 1-Chlorooctadecane	93.6	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

(10/17/18)

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

OXY - LEA CO NM

Sample ID: SP 10 @ SURFACE (H803218-50)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.075	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.179	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.504	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	0.759	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.1	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	158	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	92.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	94.9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	89.3	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition:

Cool & Intact

Project Number:

(10/17/18)

Sample Received By:

Tamara Oldaker

Project Location:

OXY - LEA CO NM

Sample ID: SP 10 @ 1' (H803218-51)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	0.125	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	0.239	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	0.723	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	1.09	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.9	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	52.0	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	29.1	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	105 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	96.8	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: SP 10 @ 2' (H803218-52)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	< 0.150	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	<0.300	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	104 9	6 41-142	!						
Surrogate: 1-Chlorooctadecane	93.5	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

(10/17/18)

Project Location:

OXY - LEA CO NM

Sample ID: NORTH @ SURFACE (H803218-53)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	<0.150	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	<0.300	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	101 %	6 41-142							
Surrogate: 1-Chlorooctadecane	95.3 9	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 11/07/2018

11/14/2018

Project Name: Project Number: CE LAMUNYON 1 CTB

Project Location:

(10/17/18)

OXY - LEA CO NM

Sampling Date:

11/02/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: EAST @ SURFACE (H803218-54)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	<0.150	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	<0.300	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	98.7 9	6 41-142	!						
Surrogate: 1-Chlorooctadecane	92.5 %	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

RTFY 8021R

11/07/2018

(10/17/18)

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

OXY - LEA CO NM

ma/ka

Sample ID: WEST @ SURFACE (H803218-55)

B1EX 8021B	тд/кд		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	<0.150	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	<0.300	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	69.8-14.	2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/12/2018	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	97.1 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	97.5	% 37.6-14	7						

Analyzed By: me

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celegy Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

11/07/2018

(10/17/18)

Sampling Date:

11/02/2018

Reported:

11/14/2018

Sampling Type:

Soil

Project Name:

CE LAMUNYON 1 CTB

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

OXY - LEA CO NM

Sample ID: SOUTH @ SURFACE (H803218-56)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2018	ND	1.95	97.5	2.00	0.433	
Toluene*	<0.050	0.050	11/12/2018	ND	1.90	95.1	2.00	1.42	
Ethylbenzene*	<0.050	0.050	11/12/2018	ND	1.84	91.8	2.00	0.601	
Total Xylenes*	<0.150	0.150	11/12/2018	ND	5.90	98.4	6.00	1.21	
Total BTEX	<0.300	0.300	11/12/2018	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/12/2018	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2018	ND	194	96.9	200	1.01	
DRO >C10-C28*	<10.0	10.0	11/10/2018	ND	206	103	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	11/10/2018	ND					
Surrogate: 1-Chlorooctane	97.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	94.5	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

S-06



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

Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

3-00	matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Kreene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	BBC International, Inc.									BI	LL 70					3	ANAL	YSIS	S RE	QUE	ST		
Project Manage	r: Cliff Brunson							P.O	. #:														
Address: P.O	. Box 805							Cor	npar	ıy:	DXd			8									
city: Hobbs	State: NM	Zip	: 8	824	1			Attr	n:	D	Africa												
Phone #: 575-	397-6388 Fax #: 575	-397	7-03	97				Add	iress	::													
Project #:	Project Owner	-: O	сy					City	/ :														
Project Name:	CE Lamunyon 1 CTB (10/17/18)							Stat	te:		Zip:												
Project Location	n: Lea County, NM							Pho	ne #	Y.	•												
Sampler Name:	• CONTRACTOR • CON							Fax	#:														
FOR LAB USE ONLY					MA	TRIX	_		PRES	ERV.	SAMPL	ING											
Lab I.D.	Sample I.D.	(C) (G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	BTEX	17	TPHEXT								
1	SP1 @ SURFACE	G	1		V				·		11/1/18	8:55 AM	1	1	1								
2	SP1 @ 1'	1	1		1				1		11/1/18	8:59 AM	1	1	1								
3	SP1 @ 2'										11/1/18	9:11 AM	1	1	1				1				
Ÿ	SP1 @ 3'										11/1/18	9:29 AM	1	1	1								
5	SP1 @ 4										11/1/18	9:40 AM	1	✓	1								
6	SP1 @ 5'										11/1/18	9:59 AM	1	1	1								
7	SP2 @ SURFACE									1	11/1/18	10:15 AM	1	1	1								
8	SP2 @ 1'										11/1/18	10:19 AM	1	1	1								
9	SP2 @ 2'							\perp			11/1/18	10:27 AM	1	1	1								
10	SP2 @ 3'	V	V		V				1	1	11/1/18	10:47 AM	1	1	1					-			
PLEASE NOTE: Liability a analyses. All claims includi	nd Damages. Cardinal's liability and client's exclusive remedy for a ing those for negligence and any other cause whatsoever shall be	iny clair deemed	n arisin I waive	g whether	er base made i	d in co n writii	ntract o	r tort, receive	shall be ed by C	limited ardinal v	to the amount pa vithin 30 days afte	id by the client for er completion of th	the e applica	ble									

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date:	Received By:	Phone Result:	☐ Yes	□ No	Add'l Phone #:
1 00 0	111.0118		Fax Result:	☐ Yes	□ No	Add'I Fax #:
VEST Urnelas	Time:30pm		REMARKS:			
Relinquished By:	Date:	Received By:	1			
	11-1-10		l .			
	Time: 40	Jamara Villar AC				
Delivered By: (Circle One)	1011-	Sample Condition CHECKED BY:	1			
	0	Cool Intact (Initials)	9			
Sampler - UPS - Bus - Other:	290	HGT Tes Tes				
	-01.16	No No Y				

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

Page 76 of 8

Received by OCD: 2/12/2020 7:16:14 PM

Sampler - UPS - Bus - Other:

2086

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

Company Name	BBC International, Inc.										BI	LL TO						ANA	LYSIS	S RE	QUE	ST		- N- F
Project Manage	r: Cliff Brunson							P.	0. #	ja .														
Address: P.O.	. Box 805							Co	mp	any	/ :	DKY												
city: Hobbs	State: NM	Zip	: 8	824	11			At	tn:		1	SAHric	M											
Phone #: 575-3	397-6388 Fax #: 575	-39	7-0	397				Ac	ldre	ss:	i i													
Project #:	Project Owner	r: O	ху					Ci	ty:															
Project Name: (CE Lamunyon 1 CTB (10/17/18)							St	ate:			Zip:												
Project Location	n: Lea County, NM							Ph	one	#:														
Sampler Name:								Fa	x #:	8				1										
FOR LAB USE ONLY					MA	TRI	X		PR	ESE	RV.	SAMPL	ING											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	LUDGE	OTHER:	ACID/BASE:	SE / COOL	OTHER:	DATE	TIME	BTCK	CC	THORY								
11	SP2 @ 4'	7	#	O	≤ 0	0	S	0	Ā	7	0	11/1/18	10:59 AM	1	1	./		-		 	-			
12	SP2 @ 5'	1	1		1	H	+	-		1	H	11/1/18	11:15 AM	1	1	1								
13	SP2 @ 6'	1	H			F			H	+		11/1/18	11:33 AM	1	1	1				-				
14	SP2 @ 7'	1										11/1/18	11:45 AM	1	1	1								
15	SP3 @ SURFACE								Г			11/1/18	11:50 AM	1	1	1								
16	SP3 @ 1'											11/1/18	12:12 PM	1	1	1								
13	SP3 @ 2'											11/1/18	12:49 PM	1	1	1								
18	SP3 @ 3'											11/1/18	1:11 PM	1	1	1								
19	SP3 @ 4'					2						11/1/18	1:22 PM	1	1	1								
20	SP4 @ SURFACE	V	V		V	1				V		11/1/18	1:45 PM	1	1	1								
analyses. All claims includi service. In no event shall C affiliates or successors arisi	and Damages. Cardinal's liability and client's exclusive remedy for- ing those for negligence and any other cause whatsoever shall be Zardinal be liable for incidental or consequental damages, including ing out of or related to the performance of services hereunder by 0	deeme g withou Cardinal	d waive ut limita I, regar	ed unles ation, bu rdless of	ss made i usiness in f whether	in writ	iting an iptions,	d rece loss o	eived b	or los	rdinal v	within 30 days aft profits incurred by	er completion of the client, its subsidial assons or otherwise	ne applica ries, se.										
Relinquished B	11418 Time: 3000	1	50	ved		_	/	2	> _				Phone Res Fax Resul REMARKS	t:	□ Ye		No No		Phone Fax #:	#:				
Relinquished By Delivered By	Date: 7-18 Times: 40 T: (Circle One)	Re	cei	ved B	gy:	lu e Co	204 ondit	ion	la	CH	ECH	(ED BY)	?											

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

Page 77 of 87

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3086

	(505) 393-2326 FAX (505) 393-	-2476																					
Company Name	BBC International, Inc.									BI	LL TO		j			-	ANA	YSIS	RE	QUE	ST		
Project Manage	r: Cliff Brunson							P.C). #:														
Address: P.O	. Box 805							Co	npa	ny:	OXU .												
city: Hobbs	State: N	M z	ip:	88	241			Att	n:	1	AHRICH												
Phone #: 575-	397-6388 Fax #:	575-3	97-	039	97			Ad	dres	s:													
Project #:	Project O	wner:	Оху	<u>1</u> 22				Cit	/ :														
Project Name:	CE Lamunyon 1 CTB (10/17/1							Sta	te:		Zip:		1										
Project Locatio	n: Lea County, NM							Pho	one i	# :													
Sampler Name:								Fax	#:				1										
FOR LAB USE ONLY			. [MATE	IX		PRE	SERV	SAMPL	ING											
Lab I.D.	Sample I.D.		(G)KAB OK (C)OMP	# CONTAINERS	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL OTHER:	DATE	TIME	BTEX	10	TPHOXT								
21	SP4 @ 1'	(2			/					11/1/18	1:55 PM	✓	✓	1								
	SP4 @ 2'			1		1					11/1/18	2:15 PM	1	1	1								
	SP4 @ 3'			Ш							11/1/18	2:25 PM	✓	✓	1								
				Ш							11/1/18	2:45 PM	1	1	1								
	SP5 @ SURFACE							Ш			11/1/18	2:55 PM	✓	1	1								
36	SP5 @ 1'										11/1/18	3:08 PM	1	1	1							\Box	
23	·SP5 @ 2' SP5 @ 3'			Ш		-				<u> </u>	11/1/18	3:15 PM	✓	/	V								
23					-	+					11/1/18	3:29 PM	1	1	√								
29	SP5 @ 4'		,	1	-	1		_		/	11/1/18	3:33 PM	V	1	√								
	SP5 @ 5' nd Damages. Cardinal's liability and client's exclusive reme	adv for any	claim a	rising	whethe	r hased in	contract	or tor	shall h	e limiter	11/2/18	9:01 AM	√ the	✓	√				L				
analyses. All claims includ service. In no event shall C	ing those for negligence and any other cause whatsoever s Cardinal be liable for incidental or consequental damages, in	shall be dee ncluding wi	med w	aived i	unless r n, busir	made in w ness interr	riting and uptions,	recei loss of	red by (use, or	Cardinal loss of	within 30 days aft profits incurred by	er completion of the client, its subsidia	he applica aries,	ble									
Relinquished B	y: Date:	8 I			d By		- Claim	Susse	и ироп	any of t	ne above stated fi	Phone Re Fax Resul	sult:	□ Ye			Add'l Add'l	Phone Fax #:	#:				

Relinquished By:	Date:	Received By:		Phone Result:	☐ Yes	□ No	Add'I Phone #:
1.010.1	0 115111	1		Fax Result:	☐ Yes	□ No	Add'l Fax #:
Valt VIIIles	Time:	Je 21 3	. /	REMARKS:			
Relinquished By:	Date: 1	Received By	11/1/11				
Win-	11-1-10	10	11111111				
1000	> Time: 140	- MUUNTA	1 Works				9
Delivered By: (Circle One)	10.	Sample Condition	CHECKED BY:				
e summer and the second		Cool Intact	(Initials)				
Sampler - UPS - Bus - Other:	200	TO TYES TYES	70				
×	-a-16	TITIONO NO	V				

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

Page 78 of 87

Received by OCD: 2/12/2020 7:16:14 PM

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Hofle

Company Name	: BBC International, Inc.				1100		BI	LL TO					Α	NAL	YSIS	RE	QUE	ST		
	r: Cliff Brunson				P.	O. #:		DXY			,									
Address: P.O.	Box 805				С	ompa	ny:	MARIO	7											
city: Hobbs	State: NM	Zip: 8	824	1	A	ttn:														
Phone #: 575-3	397-6388 Fax #: 575	-397-0	397		A	ddres	s:													
Project #:	Project Owner	·: Oxy			С	ity:														
Project Name: (CE Lamunyon 1 CTB (10/17/18)				St	tate:		Zip:												
Project Location	n: Lea County, NM				Р	hone :	#:													
Sampler Name:	Jeff Ornelas				Fa	ax #:				1										
FOR LAB USE ONLY				MATRIX		PRE	SERV.	SAMPL	ING	1										
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER	WAS LEWATER SOIL OIL	SLUDGE OTHER:	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	BTex	Ç	TPHAT								
31	SP6 @ SURFACE	GI		/				11/2/18	9:11 AM	1	1	✓								
	SP6 @ 1'	111					1	11/2/18	9:15 AM	1	1	✓								
33	SP6 @ 2'							11/2/18	9:30 AM	1	✓	1								
	SP6 @ 3'	Ш						11/2/18	9:42 AM	1	1	1								
	SP6 @ 4'							11/2/18	9:52 AM	1	✓	✓								
	SP7 @ SURFACE	Ш						11/2/18	10:15 AM	✓	1	✓								
	SP7 @ 1'							11/2/18	10:22 AM	1	1	1								
38	SP7 @ 2'							1/2/18	10:30 AM	1	1	1								
39	SP7 @ 3'							11/2/18	10:41 AM	1	1	1								
40	SP7 @ 4'	VV		V		1	/	11/2/18	10:58 AM	1	✓	1								
analyses. All claims includi service. In no event shall C	nd Damages. Cardinal's liability and client's exclusive remedy for ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, includin ng out of or related to the performance of services hereunder by 6	deemed waiv without limit	ed unless ation, bus	s made in writing siness interruption	and red is, loss	ceived by of use, or	Cardinal loss of p	within 30 days aft profits incurred by	er completion of the	he applica iries,	ble									

aniliates of successors arising out of or related to the performance			sed upon any of the above stated re	THE RESERVE OF THE PARTY OF THE			
Relinquished By:	Date:	Received By:	\rightarrow	Phone Result:	☐ Yes	□ No	Add'I Phone #:
1000	1112118	111-6		Fax Result:	☐ Yes	□ No	Add'l Fax #:
VEH UNUAS	Time: 3	100		REMARKS:			
Relinquished By:	Date:	Received By:	111.1				
Pithe	Time:	Laurana 1	UNDLOS	7			
Delivered Pag (Circle One)	15.70	Sample Condition	CHECKED BY				
Delivered By: (Circle One)		The state of the s	Head than the property of the second				
Sampler - UPS - Bus - Other:	-2.90	Cool Intact HYES HYES No No	(Initials)				

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

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

Company Name: BBC International, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Project Manage	r: Cliff Brunson						F	2.0	. #:												1		
Address: P.O	. Box 805						d	on	npar	ıy:	DEY												
city: Hobbs	State: NM	Zip	: 8	382	41			ttn	r:	0	Hind	~											
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	397			1	Add	lress	s:													
Project #:	Project Owner	: O	ху					ity	:											1			
Project Name:	CE Lamunyon 1 CTB (10/17/18)						5	Stat	e:		Zip:												
Project Locatio	n: Lea County, NM						F	ho	ne #	:													
Sampler Name:	Jeff Ornelas						F	ax	#:														
FOR LAB USE ONLY		١.		<u> </u>	MAT	TRIX		F	PRES	ER\	/. SA	MPLI	NG					ŀ					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OINEK:	ACID/BASE:	OTHER.	DA	ΤE	TIME	B16K	Cl	12707A							
41	SP8 @ SURFACE	G	1		V				V	/	11/2/	18	11:10 AM	1	✓	1							
42		1	1		\perp			1			11/2/	18	11:11 AM	✓	1	1							
43	SP8 @ 2'		1							M I	11/2/	18	11:29 AM	✓	✓	1							
44	SP8 @ 3'	1	Ц	_				4			11/2/	18	11:45 AM	✓	✓	1							
45		Ш									11/2/	18	12:01 PM	✓	✓	1							
46	SP9 @ 1'							1			11/2/	18	12:50 PM	✓	✓	1							
47	SP9 @ 2'										11/2/	18	1:11 PM	1	1	1							
48	SP9 @ 3'										1/2/1	8	1:29 PM	1	1	1							
49	SP9 @ 4'	1				,			1	,	11/2/	18	1:40 PM	1	1	1							
50	SP10 @ SURFACE	A	V		V				1		11/2/	HACKET	1:50 PM	1	✓	1							
analyses. All claims includi	nd Damages. Cardinal's liability and client's exclusive remedy for a ing those for negligence and any other cause whatsoever shall be	deeme	d waiv	ed unl	ess made in	writin	g and re	ceive	ed by C	ardina	l within 30 d	ays afte	r completion of th	e applicat	ole								
	Cardinal be liable for incidental or consequental damages, including ing out of or related to the performance of services hereunder by C																						
Relinquished B		_	_	yéd-		_	7	/	\supset				Phone Res	sult:	□ Ye		No		Phon				
Relinguished B	Time: 30m	7							_				Fax Resul		□ Ye	s L	No	Add.	I Fax #				
Z Z	y: Date: 7-18 Time: 40	Ke	cer	ved ///	ву: ШД	41	3 /	(no	1	4	1		•									
Delivered By	: (Circle One)	-	9		Sample			h	C	HEC	KED BY	:											
Sampler - UPS	- Bus - Other: - 2.9c	t	19	7	Cool Yes No	inta	Yes No		Y	(In	j .												

BILL TO

Company Name: BBC International, Inc. Project Manager: Cliff Brunson

City: Hobbs

Address: P.O. Box 805

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

State: NM Zin: 88241

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

A STATE OF THE PARTY OF THE PAR	NAME OF TAXABLE PARTY O		A. 133	Strain no.	A S		, ,,,,,			118 -00				l	l	1		1 '	1 7	4 1	4 1	, ,	
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	397			Ad	dress	s:														
Project #:	Project Owne	r: O	ху				Cit	y:										'					
Project Name: (CE Lamunyon 1 CTB (10/17/18)						Sta	ite:		Zip:			ĺ					'					
Project Location	n: Lea County, NM						Ph	one #	# :									'					
Sampler Name:	Jeff Ornelas						Fax	x #:				1						'					
FOR LAB USE ONLY		. 5			MAT	RIX		PRES	SER\	SAMPL	ING												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	BTGK	CI	TAHAI									
51	SP10 @ 1'	6	1		/			\		11/2/18	1:55 PM	1	1	✓									
52	SP10 @ 1' SP10 @ 2'	1	1		1					11/2/18	2:15 PM	1	1	✓									
53	THE PARTY OF THE P		П						Ш	11/2/18	2:20 PM	1	1	1									
	EAST @ SURFACE	Ш	Ш		11					11/2/18	2:25 PM	1	1	1									
	WEST @ SURFACE	1	Ш		1					11/2/18	2:30 PM	✓	1	✓									
56	SOUTH @ SURFACE	V	V		V				Y	11/2/18	2:40 PM	1	✓	1									
	१५० गाँडी ८																						
analyses. All claims includi	nd Damages, Cardinal's liability and client's exclusive remedy for ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, includin	deeme	d waiv	ed unless	made in	writing and	recei	ived by C	ardina	within 30 days aft	er completion of th	he applica	ble										
Relinquished B	ing out of or related to the performance of services hereunder by it. Date Time	Re	cei	ved By	y: y: mple 0	Onditi	s base	OU)	HEC	KED BY:	Phone Re Fax Resul REMARKS	se. sult: lt:	□ Ye		No No		Phone Fax #:				i.e		

BILL TO

P.O. #:

Company:



January 15, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LAMUNYON #1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/09/20 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celeg D. Keens

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 01/09/2020

01/15/2020

Project Name: Project Number: LAMUNYON #1 CTB (10-17-18)

Project Location:

OXY - EDDY CO NM

Sampling Date:

01/06/2020

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: SP 2 @ 8' (H000076-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2020	ND	1.99	99.5	2.00	0.488	
Toluene*	< 0.050	0.050	01/13/2020	ND	1.95	97.7	2.00	0.624	
Ethylbenzene*	< 0.050	0.050	01/13/2020	ND	1.97	98.5	2.00	0.873	
Total Xylenes*	<0.150	0.150	01/13/2020	ND	5.75	95.8	6.00	0.803	
Total BTEX	<0.300	0.300	01/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/10/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	165	82.5	200	18.4	
DRO >C10-C28*	10.1	10.0	01/10/2020	ND	159	79.4	200	19.4	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	93.2 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	93.3 9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

BTEX 8021B

01/09/2020

Sampling Date:

01/06/2020

Reported:

01/15/2020

Sampling Type:

Soil

Project Name:

LAMUNYON #1 CTB

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

(10-17-18)

Project Location:

OXY - EDDY CO NM

mg/kg

Sample ID: SP 6 @ 5' (H000076-02)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2020	ND	1.99	99.5	2.00	0.488	
Toluene*	<0.050	0.050	01/13/2020	ND	1.95	97.7	2.00	0.624	
Ethylbenzene*	<0.050	0.050	01/13/2020	ND	1.97	98.5	2.00	0.873	
Total Xylenes*	<0.150	0.150	01/13/2020	ND	5.75	95.8	6.00	0.803	
Total BTEX	<0.300	0.300	01/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	PID 99.9 % 73.3-1.		9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result Reporting Limit								
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	Analyzed 01/10/2020	Method Blank ND	BS 400	% Recovery	True Value QC 400	RPD 7.69	Qualifier
Chloride TPH 8015M		16.0	01/10/2020			,	•		Qualifier
	16.0	16.0	01/10/2020	ND		,	•		Qualifier Qualifier

ND

ND

159

79.4

200

19.4

01/10/2020

01/10/2020

Analyzed By: MS

Surrogate: 1-Chlorooctane
Surrogate: 1-Chlorooctadecane

DRO >C10-C28*

EXT DRO > C28 - C36

89.4 %

200

29.8

94.5 %

41-142 37.6-147

10.0

10.0

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 01/09/2020

01/15/2020

LAMUNYON #1 CTB

Project Number: Project Location:

Project Name:

(10-17-18)

OXY - EDDY CO NM

Sampling Date:

01/06/2020

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Sample ID: SP 6 @ 6' (H000076-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		01/13/2020	ND	1.99	99.5	2.00	0.488	
Toluene*	<0.050	0.050	01/13/2020	ND	1.95	97.7	2.00	0.624	
Ethylbenzene*	< 0.050	0.050	01/13/2020	ND	1.97	98.5	2.00	0.873	
Total Xylenes*	<0.150 0.150		01/13/2020	ND	5.75	95.8	6.00	0.803	
Total BTEX	<0.300 0.300		01/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/10/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	165	82.5	200	18.4	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	159	79.4	200	19.4	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	alorooctane 93.9 % 41-142								
Surrogate: 1-Chlorooctadecane	94.2 9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: Reported: 01/09/2020

01/15/2020

Project Name: Project Number: LAMUNYON #1 CTB

Project Location:

(10-17-18)

OXY - EDDY CO NM

Sampling Date: 01/06/2020

Sampling Type:

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Soil

Sample ID: SP 7 @ 5' (H000076-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2020	ND	1.99	99.5	2.00	0.488	
Toluene*	<0.050	0.050	01/13/2020	ND	1.95	97.7	2.00	0.624	
Ethylbenzene*	<0.050	0.050	01/13/2020	ND	1.97	98.5	2.00	0.873	
Total Xylenes*	<0.150 0.150		01/13/2020	ND	5.75	95.8	6.00	0.803	
Total BTEX	<0.300 0.300		01/13/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/10/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/13/2020	ND	185	92.5	200	9.10	
DRO >C10-C28*	48.5	10.0	01/13/2020	ND	189	94.7	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	01/13/2020	ND					
Surrogate: 1-Chlorooctane	87.8 % 41-14.		?						
Surrogate: 1-Chlorooctadecane	94.0	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Notes and Definitions

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. QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. ND Analyte NOT DETECTED at or above the reporting limit RPD Relative Percent Difference Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. *** Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Kreene

RDINAL 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 Manage	r: Cliff Brunson							P.O. #: -																	
Address: P.O	. Box 805							Company: () X VY																	
city: Hobbs	State: NM	Zip	: 8	3824	41			Attn: Wadl										,							
Phone #: 575-	397-6388 Fax #: 575	-39	7-0	397	%			Address:																	
					City:								1												
Project Name: Lamunyon #1 CTB (10-17-18)					Sta	ate:			Zip:																
Project Locatio	n: Eddy County, NM							Ph	one	#:															
Sampler Name:	Simon Rendon							Fa	x #:										1						
FOR LAB USE ONLY		١.		—	M	ATR	X	_	PR	ESE	RV.	SAMPLI	NG			L	J								
		(G)RAB OR (C)OMP	ERS	GROUNDWATER	ER				Solle						7	FX	5						g		
Lab I.D.	Sample I.D.	OR	# CONTAINERS	MON	WASTEWATER		ш		ACID/BASE:	ICE / COOL	**				I	古古									
		RAB	NO	NO.	\STE	2	SLUDGE	HER	ID/B	1/C	OTHER:			-	15	1 5					I				
H000076	000 0 0	(g)	# 0	R.	\$ 8		SL	О	AC	CE.	О	DATE	TIME	\sim	, Lo	1	1_			-	_				
1	SP2 @ 8' SP6 @ 5'	Ö	1	Н	- 13		+			-1		01-06-20	District anything	1	1	1	-	_	-	-	-	-			
3	SP6 @ 6'	9	1	H	- 12		+	-	-	_!_		01-06-20 01-06-20		V	1	1	-				-				
D C	SP7 @ 5'	GGG	1		-	-	+	-	\vdash	+		01-06-20		1	1	1	-				-				
	0.7 @ 0		1		-	Щ	+			1		01 00 20	1.401 101	-	A	V	+				*****	-			
		Г	Ī						Г		П					+	1				-				
		Г	Ī						Г										1		1				
																									- 12
analyses. All claims includ	and Damages. Cardinal's liability and client's exclusive remedy for a ing those for negligence and any other cause whatsoever shall be	deeme	d waiv	ed unle	ss mad	e in wr	ting an	d rece	eived b	y Caro	final v	vithin 30 days after	r completion of th	he applica	ble										
affiliates or successors aris	Cardinal be liable for incidental or consequental damages, including ing out of or related to the performance of services hereunder by Constant of the performance of services hereunder by Constant of the performance of services hereunder by Constant of the performance of services here	Cardina	l, rega	rdless	f wheth								asons or otherwis	se	=										
Relinquished B	y: Date: (-4-20) Time: 5:00 gm		ecei	ved	ву:								Phone Re Fax Resul REMARKS	lt:	t: 🗆 Yes 🗆 No Add'l Fax #:										
Relinquished B		Re	ecei	ved	Ву:				/	n	1	1/	2												
Sun	Time: 100	0		1/1	111	10	40	/	1	1	a	Me													
Delivered By	: (Circle One)				Samp			ion				(ED BY:													
Sampler - UPS - Bus - Other: -0.3 #113 Cool Intact							Ye	s o	(Initials)																

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