

Closure Report

Incident ID: nOY1821952830

Site Description

Site Name:	PRIZE 27 FED 2 CTB
Company:	Oxy, Permian
Legal Description:	U/L P, Section 27, T22S, R32E
County:	Lea County, NM
GPS Coordinates:	N 32.35738 W -103.65587

Release Data

Date of Release:	8/6/2018
Type of Release:	Oil and Produced water
Source of Release:	Heater Treater Relief Valve
Volume of Release:	6 bbls
Volume Recovered:	0 bbls

Remediation Specifications

Remediation Parameters:	Leak 3/24/18: Excavate areas of SP1, SP2, SP4 & SP5 to a depth of 6". Excavate the area of SP3 to a depth of 2'. Excavate the area of SP6 to a depth of 1'. Obtain bottom confirmation samples. Backfill with clean soil. Leak 8/6/18: Excavate SP1 & SP2 to a depth of 1'. Excavate the areas of SP3 & SP4 to a depth of 6". Obtain bottom confirmation samples. Backfill the site with clean soil.	
Remediation Activities:	9-25-19 to 11-12-19	
Plan Sent to OCD:	12/11/2018	EMRD, Bradford Billings
OCD Approval of Plan:		Risk Based
Plan Sent to BLM:	12/11/2018	Shelly Tucker
BLM Approval of Plan:		Risk Based

Supporting Documentation

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with excavation depths & confirmation sample points	
Pictures	Remediation photos	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 2/20/20	
Depth to Groundwater	USGS Info	

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

6/22/2021

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Oxy Permian Ltd.	Contact	Wade Dittrich
Address	1017 S. Stanolind, Hobbs NM 88240	Telephone No.	575-397-8214
Facility Name	Prize 27 Federal #2 CTB	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	Federal
		API No.	30-025-31902

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E					LEA

Latitude 32.35700 Longitude -103.65605 NAD83

NATURE OF RELEASE

Type of Release	Oil and Produced Water	Volume of Release	6 bbls oil & 1 bbl of water	Volume Recovered	0 bbls oil and 0 bbls water
Source of Release	Heater Treater Relief Valve	Date and Hour of Occurrence	08-06-2018	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Olivia Yu - NMOCD, Shelly Tucker BLM			
By Whom?	Wade Dittrich	Date and Hour 08-06-2018			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 2:23 pm, Aug 07, 2018



Describe Cause of Problem and Remedial Action Taken.*

Heater Treater Relief Valve failure caused 6 bbls of oil and 1 bbl of water to leak inside containment. This is a NON LINED Facility.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 30' x 30' inside containment. Remediation will be completed in accordance with the remediation plan approved by both the NMOCD and BLM.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: WADE DITTRICH	Approved by Environmental Specialist: 	
Title: ENVIRONMENTAL COORDINATOR	Approval Date: 8/7/2018	Expiration Date:
E-mail Address: Wade_Dittrich@oxy.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: 08-06-2018	Phone: 575-390-2828 (m)	

* Attach Additional Sheets If Necessary

1RP-5150

nOY1821952830

pOY1821953073

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 8/6/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-5150 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 9/7/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

From: Dittrich, John W
To: [Hernandez, Christina, EMNRD](#); [Yu, Olivia, EMNRD](#)
Cc: cbrunson@bbcinternational.com; kswinney@bbcinternational.com; [Kathy Purvis](#); [Jennifer Gilkey](#); [Moore, Rebecca A](#)
Subject: Prize 27 2 CTB
Date: Monday, August 6, 2018 1:43:23 PM

All,

This is to inform you that Oxy Permian had a **Reportable** release in Lea County at the **Prize Federal 27 2 CTB** on 8/6/2018.

- **Release Location:** Legal -27-22S-32E, API: 30-025-31902(closest well)
- **Release Volume:** 6 bbls of Oil and 1 bbls of Produced Water.
- **Recovered:** 0 bbls recovered
- **Cause of Release:** Heater Treater Relief Valve
- **Approximate Area impacted by release:** 30ft x 30ft (measurements are subject to change with GPS tracking)
- **GPS Coordinates and Driving Direction: 32.356943,-103.656010** HOBBS NM WEST ON 62/180 TO CR29 6 MILES TO RED ROAD THEN GO 1 MILE TO MILLS RANCH ROAD TURN LEFT GO 7 MILES TO GREEN FIBERGLASS TANK W/STAR TURN RIGHT GO UNTIL BLUE 55 GAL DRUM W/STAR TURN LEFT AND GO TO BATTERY
- Please let me know if you have any questions.

Wade Dittrich

Environmental Specialist

Oxy Permian-New Mexico

575-390-2828 cell

575-397-8214 office

Wade_Dittrich@Oxy.com

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-5150
Facility ID	
Application ID	


Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities


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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 12-1-19
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: Chad Hensley Date: 07/16/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 07/16/2021
Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Oxy, Prize 27-2 CTB

Leak date: 08/06/2018
Lea County, NM
API# 30-025-31902
1RP-5150

- Legend**
- 1 ft Excavation
 - 6 inch Excavation
 - Sample points
 - Leak Area



Oxy, Prize 27-2 CTB

Sample points

SP1, N 32.35742 W-103.65580

SP2, N 32.35738 W-103.65580

SP3, N 32.35742 W-103.65589

SP4, N 32.35737 W-103.65592

NORTH, N 32.35747 W-103.65583

SOUTH, N 32.35734 W-103.65586

EAST, N 32.35740 W-103.65574

WEST, N 32.35741 W-103.65594







10/25/2019



10/25/2019



11/12/2019



11/12/2019



11/12/2019

Laboratory Analytical Results Summary
Prize 27 #2 CTB (8/6/18)

		Sample ID	BS1 @ 6"
Analyte	Method	Date	10/30/19
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		272
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		184
EXT DRO	TPH 8015M		30.8

		Sample ID	BS2 @ 1'
Analyte	Method	Date	10/30/19
			mg/kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		224
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0
EXT DRO	TPH 8015M		<10.0

Laboratory Analytical Results Summary
Prize Federal 27-2 CTB (8/6/18)

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	10/22/18	10/22/18	10/22/18	10/22/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.83	0.115	<0.050	<0.050
Ethylbenzene	BTEX 8021B		4.35	0.067	<0.050	<0.050
Total Xylenes	BTEX 8021B		17.3	0.453	<0.150	<0.150
Total BTEX	BTEX 8021B		23.5	0.635	<0.300	<0.300
Chloride	SM4500Cl-B		3000	48	48	80
GRO	TPH 8015M		644	18.4	<10.0	<10.0
DRO	TPH 8015M		32100	955	28.1	48.3
EXT DRO	TPH 8015M		6540	210	<10.0	<10.0

		Sample ID	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	10/22/18	10/22/18	10/22/18	10/22/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		2.81	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		3.14	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		14.3	0.295	<0.150	<0.150
Total BTEX	BTEX 8021B		20.3	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		4320	32	64	80
GRO	TPH 8015M		544	11.6	<10.0	<10.0
DRO	TPH 8015M		25500	616	16.2	20.1
EXT DRO	TPH 8015M		4690	143	<10.0	<10.0

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	10/22/18	10/22/18	10/22/18	10/22/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		3.74	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		5.84	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		25.3	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		34.9	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1730	80	32	32
GRO	TPH 8015M		1080	<10.0	<10.0	<10.0
DRO	TPH 8015M		31300	134	<10.0	<10.0
EXT DRO	TPH 8015M		5090	35.1	<10.0	<10.0

		Sample ID	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'
Analyte	Method	Date	10/22/18	10/22/18	10/22/18	10/22/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		3.82	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		6.91	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		30.5	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		41.2	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1300	80	32	48
GRO	TPH 8015M		1180	<10.0	<10.0	<10.0
DRO	TPH 8015M		39400	104	<10.0	18.8
EXT DRO	TPH 8015M		6630	28.8	<10.0	<10.0

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	10/22/18	10/22/18	10/22/18	10/22/18
			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	SM4500Cl-B		80	96	64	80
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		23.3	144	34.2	<10.0
EXT DRO	TPH 8015M		<10.0	38	<10.0	<10.0



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

November 01, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE 27 #2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/31/19 14:35.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/30/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	PRIZE 27 #2 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: BS 1 @ 6" (H903724-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2019	ND	1.92	95.8	2.00	4.21	
Toluene*	<0.050	0.050	10/31/2019	ND	1.92	95.8	2.00	3.85	
Ethylbenzene*	<0.050	0.050	10/31/2019	ND	1.95	97.4	2.00	3.06	
Total Xylenes*	<0.150	0.150	10/31/2019	ND	5.81	96.8	6.00	2.72	
Total BTX	<0.300	0.300	10/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/01/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	228	114	200	7.39	
DRO >C10-C28*	184	10.0	11/01/2019	ND	226	113	200	8.27	
EXT DRO >C28-C36	30.8	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 93.7 % 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 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.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/31/2019	Sampling Date:	10/30/2019
Reported:	11/01/2019	Sampling Type:	Soil
Project Name:	PRIZE 27 #2 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: BS 2 @ 1' (H903724-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2019	ND	1.92	95.8	2.00	4.21	
Toluene*	<0.050	0.050	10/31/2019	ND	1.92	95.8	2.00	3.85	
Ethylbenzene*	<0.050	0.050	10/31/2019	ND	1.95	97.4	2.00	3.06	
Total Xylenes*	<0.150	0.150	10/31/2019	ND	5.81	96.8	6.00	2.72	
Total BTX	<0.300	0.300	10/31/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/01/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2019	ND	228	114	200	7.39	
DRO >C10-C28*	<10.0	10.0	11/01/2019	ND	226	113	200	8.27	
EXT DRO >C28-C36	<10.0	10.0	11/01/2019	ND					

Surrogate: 1-Chlorooctane 91.9 % 41-142

Surrogate: 1-Chlorooctadecane 93.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



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

BILL TO

ANALYSIS REQUEST

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



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

October 31, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PRIZE FEDERAL 27-2 CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/26/18 16:40.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/26/2018	Sampling Date:	10/22/2018
Reported:	10/31/2018	Sampling Type:	Soil
Project Name:	PRIZE FEDERAL 27-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	(8/6/18)	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 1 @ SURFACE (H803076-01)

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	10/30/2018	ND	2.02	101	2.00	1.35	
Toluene*	1.83	0.500	10/30/2018	ND	1.98	99.0	2.00	2.19	
Ethylbenzene*	4.35	0.500	10/30/2018	ND	1.99	99.5	2.00	4.09	
Total Xylenes*	17.3	1.50	10/30/2018	ND	5.75	95.8	6.00	3.47	
Total BTEX	23.5	3.00	10/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	10/30/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	644	100	10/29/2018	ND	200	100	200	6.10		
DRO >C10-C28*	32100	100	10/29/2018	ND	210	105	200	1.40		
EXT DRO >C28-C36	6540	100	10/29/2018	ND						

Surrogate: 1-Chlorooctane 187 % 41-142

Surrogate: 1-Chlorooctadecane 1190 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H803076-02)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	0.115	0.050	10/29/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	0.067	0.050	10/29/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	0.453	0.150	10/29/2018	ND	5.59	93.1	6.00	0.625	
Total BTX	0.635	0.300	10/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

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	10/30/2018	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.4	10.0	10/30/2018	ND	200	100	200	6.10	
DRO >C10-C28*	955	10.0	10/30/2018	ND	210	105	200	1.40	
EXT DRO >C28-C36	210	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H803076-03)

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	10/29/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	<0.050	0.050	10/29/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	<0.050	0.050	10/29/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	<0.150	0.150	10/29/2018	ND	5.59	93.1	6.00	0.625	
Total BTEX	<0.300	0.300	10/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.8-142

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	10/30/2018	ND	432	108	400	3.64		

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	10/29/2018	ND	200	100	200	6.10	
DRO >C10-C28*	28.1	10.0	10/29/2018	ND	210	105	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	10/29/2018	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 98.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H803076-04)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/29/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/29/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/29/2018	ND	5.59	93.1	6.00	0.625		
Total BTEX	<0.300	0.300	10/29/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/29/2018	ND	205	102	200	11.3	
DRO >C10-C28*	48.3	10.0	10/29/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/29/2018	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ SURFACE (H803076-05)

BTX 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	10/29/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	2.81	0.500	10/29/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	3.14	0.500	10/29/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	14.3	1.50	10/29/2018	ND	5.59	93.1	6.00	0.625	
Total BTX	20.3	3.00	10/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	10/30/2018	ND	432	108	400	3.64		

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*	544	100	10/29/2018	ND	205	102	200	11.3	
DRO >C10-C28*	25500	100	10/29/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	4690	100	10/29/2018	ND					

Surrogate: 1-Chlorooctane 157 % 41-142

Surrogate: 1-Chlorooctadecane 1350 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 1' (H803076-06)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	<0.050	0.050	10/29/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	<0.050	0.050	10/29/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	0.295	0.150	10/29/2018	ND	5.59	93.1	6.00	0.625	
Total BTEX	<0.300	0.300	10/29/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

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	10/30/2018	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.6	10.0	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	616	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	143	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 2' (H803076-07)

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	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEx	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/30/2018	ND	432	108	400	3.64	

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	16.2	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H803076-08)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEX	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	20.1	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ SURFACE (H803076-09)

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	10/30/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	3.74	0.500	10/30/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	5.84	0.500	10/30/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	25.3	1.50	10/30/2018	ND	5.59	93.1	6.00	0.625	
Total BTEX	34.9	3.00	10/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	10/30/2018	ND	432	108	400	3.64		

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*	1080	100	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	31300	100	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	5090	100	10/30/2018	ND					

Surrogate: 1-Chlorooctane 259 % 41-142

Surrogate: 1-Chlorooctadecane 1420 % 37.6-147

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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H803076-10)

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	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEX	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	134	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	35.1	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H803076-11)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEX	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.8-142

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	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	<10.0	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 @ 3' (H803076-12)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEx	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.8-142

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	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	<10.0	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 97.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/26/2018	Sampling Date:	10/22/2018
Reported:	10/31/2018	Sampling Type:	Soil
Project Name:	PRIZE FEDERAL 27-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	(8/6/18)	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ SURFACE (H803076-13)

BTX 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	10/30/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	3.82	0.200	10/30/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	6.91	0.200	10/30/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	30.5	0.600	10/30/2018	ND	5.59	93.1	6.00	0.625	
Total BTX	41.2	1.20	10/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	10/30/2018	ND	432	108	400	3.64		

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*	1180	100	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	39400	100	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	6630	100	10/30/2018	ND					

Surrogate: 1-Chlorooctane 253 % 41-142

Surrogate: 1-Chlorooctadecane 1860 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/26/2018	Sampling Date:	10/22/2018
Reported:	10/31/2018	Sampling Type:	Soil
Project Name:	PRIZE FEDERAL 27-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	(8/6/18)	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SP 4 @ 1' (H803076-14)

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	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEx	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	104	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	28.8	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 2' (H803076-15)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTX	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.8-142

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	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	<10.0	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 96.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 @ 3' (H803076-16)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEx	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 69.8-142

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	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	18.8	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 97.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: NORTH @ SURFACE (H803076-17)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEx	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	23.3	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/26/2018	Sampling Date:	10/22/2018
Reported:	10/31/2018	Sampling Type:	Soil
Project Name:	PRIZE FEDERAL 27-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	(8/6/18)	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: EAST @ SURFACE (H803076-18)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625	
Total BTX	<0.300	0.300	10/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	144	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	38.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/26/2018
 Reported: 10/31/2018
 Project Name: PRIZE FEDERAL 27-2 CTB
 Project Number: (8/6/18)
 Project Location: OXY - LEA COUNTY, NM

Sampling Date: 10/22/2018
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: WEST @ SURFACE (H803076-19)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623		
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898		
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863		
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625		
Total BTEx	<0.300	0.300	10/30/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	34.2	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 99.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	10/26/2018	Sampling Date:	10/22/2018
Reported:	10/31/2018	Sampling Type:	Soil
Project Name:	PRIZE FEDERAL 27-2 CTB	Sampling Condition:	Cool & Intact
Project Number:	(8/6/18)	Sample Received By:	Jodi Henson
Project Location:	OXY - LEA COUNTY, NM		

Sample ID: SOUTH @ SURFACE (H803076-20)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2018	ND	1.99	99.4	2.00	0.623	
Toluene*	<0.050	0.050	10/30/2018	ND	1.89	94.3	2.00	0.898	
Ethylbenzene*	<0.050	0.050	10/30/2018	ND	1.87	93.6	2.00	0.863	
Total Xylenes*	<0.150	0.150	10/30/2018	ND	5.59	93.1	6.00	0.625	
Total BTX	<0.300	0.300	10/30/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.8-142

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2018	ND	432	108	400	3.64		

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	10/30/2018	ND	205	102	200	11.3	
DRO >C10-C28*	<10.0	10.0	10/30/2018	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	10/30/2018	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 99.8 % 37.6-147

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Notes and Definitions

Z-01	Surrogates not added to this ms/msd.
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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ORDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1082

[illegible]

Page 24 of 24



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

202

Company Name: BBC International, Inc.						
Project Manager: Cliff Brunson						
Address: P.O. Box 805						
City: Hobbs State: NM Zip: 88241						
Phone #: 575-397-6388 Fax #: 575-397-0397 Attn: Ditch						
Project #:						
Project Owner: Oxy						
Project Name: Prize Federal 27-2 CTB (8/6/18)						
Project Location: Lea County, NM						
State: Zip:						
Sample Name: Jeff Ornelas Phone #: Fax #:						
FOR LAB USE ONLY						
Lab I.D. Sample I.D.						
H803516	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE OTHER : ACID/BASE: <input checked="" type="checkbox"/> ICE / COOL OTHER :	MATRIX PRESERV.	SAMPLING DATE TIME	BTEX	CI	TPH EXT
SP3 @ 2'	G 1		10/22/18 10:45 AM	✓	✓	✓
SP3 @ 3'			10/22/18 11:11 AM	✓	✓	✓
SP4 @ SURFACE			10/22/18 11:33 AM	✓	✓	✓
SP4 @ 1'			10/22/18 11:41 AM	✓	✓	✓
SP4 @ 2'			10/22/18 11:59 AM	✓	✓	✓
SP4 @ 3'			10/22/18 12:50 PM	✓	✓	✓
NORTH @ SURFACE			10/22/18 1:22 PM	✓	✓	✓
EAST @ SURFACE			10/22/18 1:33 PM	✓	✓	✓
WEST @ SURFACE			10/22/18 1:44 PM	✓	✓	✓
SOUTH @ SURFACE			10/22/18 1:55 PM	✓	✓	✓
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Relinquished By: Date: 10/22/18 Received By: [Signature]						
Time: 1:30 pm						
Reinquinshed By: Date: 10/26/18 Received By: [Signature]						
Time: 10:40 am						
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -1D.44/#97						
Sample Condition Cool Intact Yes No Checked BY: Initials						

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



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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

New Mexico

GO

Click to hideNews Bulletins

- [Please see news on new formats](#)
- UPDATE, 10/31: The USGS continues to make progress on restoring all of the gages. As of noon Wednesday, October 31, approximately 6 percent of USGS streamgages are still not transmitting due to an issue with the telemetry system that records and transmits streamgage data. 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 =

- 322314103383601

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

USGS 322314103383601 22S.32E.14.32422

Lea County, New Mexico
Latitude 32°23'14", Longitude 103°38'36" NAD27
Land-surface elevation 3,740 feet above NAVD88
The depth of the well is 380 feet below land surface.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1972-09-13		D	370.40			2		U		

Explanation

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

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Page Last Modified: 2018-11-02 12:47:43 EDT

1.47 0.5 nadww01

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

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 33658

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 33658
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/16/2021