Closure Report

	Site Description
Site Name:	Banter State Com #004H
Company:	COG Operating LLC
Legal Description:	U/L D, Section 13, T23S, R34E
County:	Lea County, NM
GPS Coordinates:	N 32.31091° W 103.45949°

Release Data

Date of Release:	06/14/2016
Type of Release:	Produced water
Source of Release:	4" poly line
Volume of Release:	3900 bbls of produced water
Volume Recovered:	0 bbls

	Remediatio	n Specifications
Remediation Parameters:	the excavated area. is enclosed: June/Jul (COG/landowner spli	pill area to a depth of 3 feet. Install a 20 mil plastic liner in Obtain perimeter confirmation samples. The following data y 2016 delineation data, March 2017 delineation data t sampling), & June 2017 confirmation/sidewall data. clean soil. Seed the area with appropriate seed mixture. seeds if necessary.
Remediation Activities:	06/05/2017 to 0	7/11/2017
Plan Sent to OCD:	08/08/2016	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	08/09/2016	Email from Jamie Keyes to Cliff Brunson
Plan Sent to SLO:	08/08/2016	Email from Cliff Brunson to Amber Groves
SLO Approval of Plan:	08/18/2016	Email from Amber Groves to Cliff Brunson

	Supporting Documentation
Initial C-141	Signed 06/22/2016
Final C-141	Signed 08/23/2017
Site Diagram	July 2017
Groundwater Plot	300'
TOPO Maps	July 2017
Lab Summary	06/24/16-06/27/16, 07/06/16-07/07/16, 06/16/17, & 06/20/17
Lab Analysis	06/24/16-06/27/16, 07/06/16-07/07/16, 03/01/2017-03/03/2017, 06/16/17, & 06/20/17
Correspondence	Request and approval of remediation plan via email

Request for Closure

Based on the completion of the remediation plan, BBC requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

09/25/2017

District 1 1625 N. French Dr., Hobbs, NM 88240

1000 Rio Brazos Road, Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

District II 811 S. First St., Artesia, NM 88210 District III

District IV

State of New Mexic Energy Minerals and Natural By JKeyes at 8:56 am, Jun 24, 2016

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505

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

	Santa	Fe,	NM	87505	5	
CONTRACTOR OF THE OWNER OF	THE REAL PROPERTY AND INCOME.	ALC: NOT THE OWNER.	of the local distances of	NAME OF TAXABLE PARTY.	NAMES OF TAXABLE PARTY.	AND DESCRIPTION OF THE OWNER
			100			

			Rele	ease Notific	atio	on and Co	orrective A	ction	1			
						OPERA	ГOR		🛛 Initia	al Report		Final Repor
Name of C			G Operati			Contact:		ACCORDING TO A DESCRIPTION OF	bert McNe	and the second se		
Address:				iland TX 79701		Telephone N		43	2-683-744	3		
Facility Na	me:	BANIER	SIAIE	COM #004H		Facility Typ	e:		Flowline			
Surface Ow	ner:	State		Mineral O	wner:				API No	. 30-02	25-42	519
				LOCA	TIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	and the second second second	h/South Line	Feet from the		West Line		Coun	ty
D	13	235	34E	190		North	660		West		Lea	and the second se
			Latitud	e 32.311364157	79966	Longi	tude 103.430114	44302	04			
				NAT	URE	OF RELI	EASE					
Type of Rele	ase:					Volume of	Release:		Volume R			
Causa - CD	1	Produced	Water			THE OWNER AND ADDRESS OF THE OWNER ADDRESS OF THE O	s of Produced Wa	the second s		bbls of Produ		
Source of Re	lease;	4" Poly	line				our of Occurrence 4-2016 3:00pm	:		Hour of Disc 06-14-2016		
Was Immedi	ate Notice C	liven?				If YES, To			I	00-14-2010	3.00	pm
			Yes 🗌	No 🗌 Not Re	quired							
By Whom?	Robert Gr						our: 06-15-2016					
Was a Water	course Reac		Yes 🛛	No		If YES, Vo	lume Impacting th	e Wat	ercourse.			
				140			10000000000000000000000000000000000000					
If a Watercou	irse was Imj	bacted, Descri	be Fully.*									
					Sector Children Control of Contro							
Describe Cau	se of Proble	m and Remed	ial Action	Taken.*								
			A bad	section of 4" poly	line r	enlaced with a	new section of po	Julina				
					ynne, i	epiaceu witii a	new section of pe	nynne.				
Describe Are	a Affected a	nd Cleanup A	ction Take	en.*								
This release	occurred on	a 4" notvline	in the pas	ture Concho will	have t	he chill cite ch	mpled to delineate	0.037 87	accible control	mination G		valaana awal
	we	will present a	remediatio	on work plan to th	e NM	OCD for appro	val prior to any si	gnifica	int remediati	ion work.	om me	release and
I hereby certi-	ly that the it	ilormation giv	report and	is true and comple	ete to t	he best of my l	knowledge and un d perform correcti	derstar	nd that pursu	ant to NMO	CD ru	les and
public health	or the envir	onment. The	icceptance	of a C-141 repor	t by th	e NMOCD ma	rked as "Final Re	port" d	ons for relea	ases which n	nay en	danger liability
should their o	perations ha	ive failed to ad	lequately i	investigate and ren	mediat	e contaminatio	on that pose a threa	it to gr	ound water.	surface wate	er, hur	nan health
or the environ	ment. In ac	ldition, NMO	CD accept	ance of a C-141 re	eport d	oes not relieve	the operator of re	sponsi	bility for co	mpliance wi	th any	other
federal, state,	or local law	s and/or regul	ations.				011 00110					
Signature:		Tel	+ 1_	-h			OIL CONS	ERV	ATION I	DIVISIO	N	
				1					Jamthy	× c^		
Printed Name	: `	Robert	Grubbs Jr.	5. S		Approved by I	Environmental Spe	ecialist	:	r.		_
Title:	Se	nior Environm	ental Coo	rdinator		Approval Date	06/24/2016	I	Expiration D	08/24/2 ate:	2016	
E-mail Addre	ss:	rgrubbs@c	oncho cor	n		Conditions of	Approval					
							s only. Delineate	and rer	nediate per	Attached	10000	
Date: 00	5-22-2016	Phor	ie: 432	-683-7443		IMOCD guide		and rel	inculate per	1RP 4318		

* Attach Additional Sheets If Necessary

nJXK1617631887 pJXK1617632125

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

			Rele	ease Notific	atior	and Co	orrective A	ction			
						OPERA	ΓOR		nitial Report	\boxtimes	Final Report
		COG Operati					bert McNeill				
				nd, TX 79701			No. 432-230-00	177			
		TER STATE		<u>JU4H</u>		racinty Typ	e: Flow line				
Surface Ow	ner: State			Mineral C)wner:				No. 30-025	42519	_
				LOCA	OITA	N OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Li	ne County		
D	13	23S	34E	190		North	660	West	Lea Cour	ity, NM	
			1	Latitude <u>N 32.3</u>	<u>1091°</u>	Longitu	ide <u>W_103.4594</u>	<u>9°</u>			
				NAT	URE	OF REL	EASE				
Type of Rele	ase: Produ	ced water				Volume of	Release: of produced water		ne Recovered:		
Source of Re	lease: 4" p	oly line				Date and H	lour of Occurrence	e Date	and Hour of D		,
Was Immedi	ate Notice (lf YES, To	5 @ 3:00 pm Whom?	06/14	/2016 @ 3:00	om	
D. 110	D I I C		Yes] No 🗌 Not Re	equired		0411810014	0.4.00			
By Whom? Was a Water							lour: 06/15/2016 blume Impacting t		e		
			Yes 🛛	No					-		
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.'	*							
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.*							
A bad section	n of 4" poly	line, replaced	with a ne	w section of poly	line.						
Describe Are	a Affected	and Cleanup /	Action Tal	ken.*							
accordance w	vith the rem			sture. The site wa by Jamie Keyes o							
email on 08/	18/2016.										
I hereby certi	ify that the	information g	ven above	e is true and comp	lete to the	e best of my	knowledge and u	nderstand that	pursuant to NN	10CD r	ules and
regulations a	ll operators or the envi	are required t	o report ai	nd/or file certain r ce of a C-141 repo	elease n	otifications as NMOCD m	nd perform correct arked as "Final R	tive actions fo	r releases which	1 may c	ndanger
should their e	operations h	nave failed to a	adequately	/ investigate and r	emediat	e contaminati	on that pose a thr	eat to ground v	vater, surface v	ater, hu	man health
				ptance of a C-141	report d	oes not reliev	e the operator of	responsibility (or compliance	with an	y other
rederal, state	, or local la	ws and/or regi	nations.				OIL CON	SERVATIO			
Signature:	lele	a Has	hell	/				<u>BERVAIN</u>			
Printed Nam						Approved by	Environmental S	pecialist: 📈	shley W	lafi	vell
Title: Senior						Approval Dat	e: 05/03/202		ion Date:		
									ion Date.		
		ll@concho.co				Conditions of	Approval:		Attache	d 🔲	
Date: August	23, 2017		Ph	ione: (432) 683-7	443	_					

* Attach Additional Sheets If Necessary



COG, Banter State Com #004H

Sample points, hand auger and drilling SP1/SB1, N 32.31094 W-103.45947 SP2/SB2, N 32.31109 W-103.45930 SP3/SB3, N 32.31128 W-103.45946 SP4/SB4, N 32.31140 W-103.45916 SP5/SB5, N 32.31148 W-103.45892 SP6/SB6, N 32.31165 W-103.45890 SP7/SB7, N 32.31172 W-103.45917 SP8/SB8, N 32.31196 W-103.45928 SP9/SB9, N 32.31215 W-103.45938

Confirmation sample points, hand auger SW1, N 32.31109 W-103.45950 SW2, N 32.31138 W-103.45942 SW3, N 32.31164 W-103.45920 SW4, N 32.31189 W-103.45930 SW5, N 32.31223 W-103.45939 SW6, N 32.31190 W-103.45921 SW7, N 32.31177 W-103.45897 SW8, N 32.31160 W-103.45881 SW9, N 32.31160 W-103.45884 SW10, N 32.31126 W-103.45884 SW10, N 32.31109 W-103.45909 SW11, N 32.31096 W-103.45931 SW12, N 32.31096 W-103.45943 SW14, N 32.31097 W-103.45958

COG, Banter State Com #004H U/L D, Section 13, T23S, R34E Groundwater: 200'-225'



Received by OCD: 4/11/2023 1:22:51 PM

?

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 647791

Northing (Y): 3575882

Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/30/17 12:30 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

http://nmwrrs.ose.state.nm.us/...%22%203575882.0%20%22%2C%0A%22R%22%3A%221700%22%2C%0A%22PLSSDiv%22%3A%22false%22%7D[8/30/2017 12:30:56 PM]

O Q64:		Survey System (PLSS) Sec: 13 Tws: 235 Rng: 34E	J
O x: 0		ordinate System - NAD27 Zone:	
O x: 0		ordinate System - NAD83 Zone:	
O Longitude Latitude	e (X): Degrees: 0 °	/ Minutes/Seconds Minutes: 0 ' Seconds: 0 " Minutes: 0 ' Seconds: 0 "	
O Easting ()	X): 0 mtrs Northing (Y): 0	TM - NAD27 mtrs Zone:	
Eas	sting (X): 647791.0 mtrs	displayed as <u>NAD 1983 UTM Zone 13</u> Northing (Y): 3575882.0 mtrs en to copy UTM values for Reports. ~~	

Banter State Com #4H



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Banter State Com #4H



Released to Imaging: 5/3/2023 2:20:29 PM

Mailyte Method Sample Sample					
malyte Method Date ene BTEX 8021B			Sample	SP1 @ 1'	SP1 @ 3'
BTEX 8021B Ine BTEX 8021B benzene BTEX 8021B Xylenes BTEX 8021B Xylenes BTEX 8021B BTEX BTEX 8021B ide SM45000-B TPH 8015M TPH 8015M	Analyte	Method	Date	6/24/16	6/24/16
ene BTEX 8021B ine BTEX 8021B benzene BTEX 8021B benzene BTEX 8021B benzene BTEX 8021B tide SM4500C1-B tide SM4500C1-B tide N15M				mg/Kg	mg/Kg
Ine BTEX 8021B benzene BTEX 8021B Xylenes BTEX 8021B BTEX BTEX 8021B ide SM4500CI-B TPH 8015M	Benzene	BTEX 8021B		<0.050	<0.050
Benzene BTEX 8021B Xylenes BTEX 8021B BTEX BTEX 8021B ide SM4500CI-B TPH 8015M	Toluene	BTEX 8021B		<0.050	<0.050
Xylenes BTEX BTEX B1EX	Ethylbenzene	BTEX 8021B		<0.050	<0.050
BTEX BTEX 8021B ide SM4500CI-B TPH 8015M TPH 8015M	Total Xylenes	BTEX 8021B		<0.150	<0.150
ide SM4500CI-B TPH 8015M TPH 8015M	Total BTEX	BTEX 8021B		<0.300	<0.300
TPH 8015M TPH 8015M	Chloride	SM4500CI-B		4480	8800
TPH R015M	GRO	TPH 8015M		<10.0	<10.0
	DRO	TPH 8015M		448	<10.0

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Laboratory Analytical Results Summary Banter State Com #4 June 2016

		Sample	SP5 @ 1'	SP5 @ 3'
Analyte	Method	Date	6/27/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		4160	15600
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		18.5	16.1

		Sample	SP6 @ 1'	SP6 @ 3'	
Analyte	Method	Date	6/27/16	6/27/16	
			mg/Kg	mg/Kg	
Benzene	BTEX 8021B		<0.050	<0.050	
Toluene	BTEX 8021B		<0.050	<0.050	
Ethylbenzene	BTEX 8021B		<0.050	<0.050	
Total Xylenes	BTEX 8021B		<0.150	<0.150	
Total BTEX	BTEX 8021B		<0.300	<0.300	
Chloride	SM4500CI-B		4720	10900	
GRO	TPH 8015M		<10.0	<10.0	
DRO	TPH 8015M		<10.0	<10.0	

SP2 @ 3'

SP2 @ 1'

Sample

6/24/16

6/24/16

Date

Method

Analyte

mg/Kg <0.050 <0.050 <0.050 <0.050

mg/Kg <0.050 <0.050 <0.050 <0.150

<0.300

<0.300

 Benzene
 BTEX 8021B

 Toluene
 BTEX 8021B

 Toluene
 BTEX 8021B

 Total Xylenes
 BTEX 8021B

 Total Xylenes
 BTEX 8021B

 Total BTEX
 BTEX 8021B

 Chloride
 SM4500Cl-B

 GRO
 TPH 8015M

 DRO
 TPH 8015M

3440 <10.0 **287**

<10.0 <10.0 SP3 @ 3'

SP3 @ 1'

Sample

Analyte Method Date % Analyte Method Date % Benzene BTEX 8021B <0 <0 Envintence BTEX 8021B <0 <0 Envintence BTEX 8021B <0 <0	6/27/16 6/27/16
BTEX 8021B BTEX 8021B BTEY 8021B	
BTEX 8021B BTEX 8021B BTEY 8021B	mg/Kg mg/Kg
BTEX 8021B	<0.050 <0.050
	<0.050 <0.050
	<0.050 <0.050
Total Xylenes BTEX 8021B <0	<0.150 <0.150
Total BTEX BTEX 8021B <0	<0.300 <0.300
Chloride SM4500CI-B 44	4480 7440
GRO TPH 8015M </th <td><10.0 <10.0</td>	<10.0 <10.0
DRO TPH 8015M 1	19.5 <10.0

<0.050
<0.050
<0.050
<0.050
<0.150

<0.050
 <0.050
 <0.050
 <0.050
 <0.150
 <0.300

 Benzene
 BTEX 8021B

 Toluene
 BTEX 8021B

 Fthylbenzene
 BTEX 8021B

 Total Xylenes
 BTEX 8021B

 Total Xylenes
 BTEX 8021B

 Total BTEX
 BTEX 8021B

 Total DTEX
 BTEX 8021B

 Chloride
 SM4500CI-B

6/24/16 mg/Kg

mg/Kg

6/24/16

Date

Method

Analyte

<0.300 <11100 <10.0 <10.0

> **6160** <10.0

> > TPH 8015M TPH 8015M

GRO DRO SP4 @ 3'

SP4 @ 1'

Sample

mg/Kg

mg/Kg

6/27/16

6/24/16

Date

Method

Analyte

Benzene Toluene

		Sample	SP8 @ 1'	SP8 @ 3'
Analyte	Method	Date	6/27/16	6/27/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		4240	8930
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

<0.050
<0.050
<0.050
<0.150
<0.300
11200

<0.050
 <0.050
 <0.050
 <0.150
 <0.150
 4800

BTEX 8021B BTEX 8021B 9 BTEX 8021B 5 BTEX 8021B BTEX 8021B BTEX 8021B SM4500CI-B

Ethylbenzene E Total Xylenes E Total BTEX E Chloride S

<10.0 <10.0

<10.0 **183**

TPH 8015M TPH 8015M

GRO DRO

.

		Sample	SP9 @ 1'	SP9 @ 3'
Analyte	Method	Date	6/27/16	6/27/16
			mg/Kg	6y/gm
Benzene	BTEX 8021B		<0.050	<0:050
Toluene	BTEX 8021B		<0.050	<0:050
Ethylbenzene BTEX 8021B	BTEX 8021B		<0.050	<0:050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500CI-B		4320	0226
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

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Laboratory Analytical Results Summary Banter State Com #4 July 2016

								SB3 @ 35'	7/6/16	mg/Kg	320					SB5 @ 40'	7/7/16	mg/Kg	1800													
								SB3 @ 33'	7/6/16	mg/Kg	352					SB5 @ 35'	7/7/16	mg/Kg	1440	SB6 @ 33'	7/7/16	mg/Kg	<16.0									
								SB3 @ 30'	7/6/16	mg/Kg	384	SB4 @ 17'	7/6/16	mg/Kg	160	SB5 @ 30'	7/7/16	mg/Kg	3680	SB6 @ 30'	7/7/16	mg/Kg	<16.0									
SB1 @ 17'	7/6/16	mg/Kg	80	SB2 @ 17'	7/6/16	mg/Kg	32	SB3 @ 25'	7/6/16	mg/Kg	6930	SB4 @ 15'	7/6/16	mg/Kg	192	SB5 @ 25'	7/7/16	mg/Kg	2880	SB6 @ 25'	7/7/16	mg/Kg	1180									
SB1 @ 15'	7/6/16	mg/Kg	128	SB2 @ 15'	7/6/16	mg/Kg	16	SB3 @ 20'	7/6/16	mg/Kg	7330	SB4 @ 12'	7/6/16	mg/Kg	432	SB5 @ 20'	7/7/16	mg/Kg	1800	SB6 @ 20'	7/7/16	mg/Kg	5360	SB7 @ 12'	7/7/16	mg/Kg	304	SB8 @ 15'	7/7/16	mg/Kg	96	
SB1 @ 9'	7/6/16	mg/Kg	1540	SB2 @ 12'	7/6/16	mg/Kg	5200	SB3 @ 15'	7/6/16	mg/Kg	6480	SB4 @ 9'	7/6/16	mg/Kg	8260	SB5 @ 15'	7/7/16	mg/Kg	3840	SB6 @ 15'	7/7/16	mg/Kg	8400	SB7 @ 9'	7/7/16	mg/Kg	336	SB8 @ 12'	7/7/16	mg/Kg	176	SB9 @ 9'
SB1 @ 7'	7/6/16	mg/Kg	2440	SB2 @ 9'	7/6/16	mg/Kg	7330	SB3 @ 9'	7/6/16	mg/Kg	8260	SB4 @ 7'	7/6/16	mg/Kg	8530	SB5 @ 9'	7/7/16	mg/Kg	8530	SB6 @ 9'	7/7/16	mg/Kg	12000	SB7 @ 7'	7/7/16	mg/Kg	7060	SB8 @ 9'	7/7/16	mg/Kg	5280	SB9 @ 7'
SB1@5'	7/6/16	mg/Kg	6000	SB2 @ 5'	7/6/16	mg/Kg	10500	SB3 @ 5'	7/6/16	mg/Kg	13200	SB4 @ 5'	7/6/16	mg/Kg	9730	SB5 @ 5'	7/7/16	mg/Kg	8800	SB6 @ 5'	7/7/16	mg/Kg	8260	SB7 @ 5'	7/7/16	mg/Kg	9460	SB8 @ 5'	7/7/16	mg/Kg	3280	SB9 @ 5'
Sample	Date			Sample	Date			Sample	Date			Sample	Date			Sample	Date			Sample	Date			Sample	Date			Sample	Date			Sample
	Method		SM4500CI-B																													
	Analyte		Chloride		Analyte		Chloride		Analyte		Chloride		Analvte		Chloride		Analyte		Chloride													

SB5 @ 47'

SB5 @ 45'

7/7/16 mg/Kg <16.0

7/7/16 mg/Kg 96

mg/Kg 32

7/7/16 mg/Kg 80

> mg/Kg 704

Method SM4500CI-B

•

7/7/16

Date

Analyte Chloride

7/7/16

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Labo	Ilyte	ride	

ratory Analytical Results Su Banter State Com #4H
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SP7 @	6/16/17	by/gm	16	
Sample	Date			
	Method		SM4500CI-B	
	Analyte		Chloride	

Released to Imaging: 5/3/2023 2:20:29 PM

@ 6dS	Sample		
<16.0		Chloride SM4500CI-B	Chloride
by/bm			
6/16/17	Date	Method	Analyte
SP8 @ SIDEWALL	Sample		

2118117	Date 0	Mothod	Anches
SP10 @ SIDEWALL	Sample		
32		Chloride SM4500CI-B	Chloride
mg/Kg			
6/16/17	Date	Method	Analyte
SIDEWALL			

Analyte	Method	Date	6/16/17
			mg/Kg
Chloride	Chloride SM4500CI-B		48
		Sample	SP11 @ SIDEWALL
Analyte	Method	Date	6/16/17

<u>48</u>

Chloride SM4500CI-B

SP1@ SIDEWALL	6/16/17	mg/Kg <16.0	200	SP2@ SIDEWALL	6/16/17	mg/Kg	<16.0	SP3@ SIDEWALL	6/16/17	mg/Kg	<16.0	SP4@ SIDEWALL	6/16/17	mg/Kg	16	SP5@	6/16/17	mg/Kg	<16.0	SP6@ SIDEWALL	6/16/17	
Sample	Date			Sample	Date			Sample	Date			Sample	Date			Sample	Date			Sample	Date	i
	Method	SM4500CI-R			Method		SM4500CI-B		Method		SM4500CI-B		Method		SM4500CI-B		Method		SM4500CI-B		Method	
	Analyte	Chloride	000		Analyte		Chloride		Analyte		Chloride		Analyte		Chloride		Analyte		Chloride		Analvte	

		Sample	SP5@ SIDEWALL
Analyte	Method	Date	6/16/17
			gy/gm
loride	SM4500CI-B		<16.0
		Sample	SIDEWALL
Analyte	Method	Date	6/16/17
			63/6m
loride	SM4500CI-B		<16.0
Analyte Ioride	Method SM4500CI-B	Date	

Chloride SM4500CI-B

tory Analytical Results Summary	Banter State Com #4H	June 2017
ory Analytical I	Banter State (June 20

Sample	Date				
	Method		Chloride SM4500CI-B		
	Analyte		Chloride		
				I	
رال ال		_			

SP12 @ SIDEWALL 6/20/1 ۵

		Sample	SP13@ SIDEWALL
Analyte	Method	Date	6/20/17
			by/gm
Chloride	SM4500CI-B		32
		Sample	SP14 @ SIDEWALL
Analyte	Method	Date	6/20/17
			mg/Kg
Chloride	SM4500CI-B		32



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

COG – Banter State Com #004H

Lab Analyses, Delineation



July 06, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BANTER STATE #4

Enclosed are the results of analyses for samples received by the laboratory on 06/28/16 14:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 1' (H601435-01)

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	06/29/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/29/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	448	10.0	06/29/2016	ND	205	103	200	4.39	
Surrogate: 1-Chlorooctane	92.8 9	% 35-147	,						

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP1 @ 3' (H601435-02)

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	06/29/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/29/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	<10.0	10.0	06/29/2016	ND	205	103	200	4.39	
Surrogate: 1-Chlorooctane	82.9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	88.5	% 28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 1' (H601435-03)

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	06/29/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/29/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/29/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/29/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/29/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	287	10.0	06/29/2016	ND	205	103	200	4.39	
Surrogate: 1-Chlorooctane	86.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	83.9	% 28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP2 @ 3' (H601435-04)

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	06/30/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10100	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	<10.0	10.0	06/29/2016	ND	205	103	200	4.39	
Surrogate: 1-Chlorooctane	93.5	% 35-147	7						
Surrogate: 1-Chlorooctadecane	92.8	% 28-171							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP3 @ 1' (H601435-05)

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	06/30/2016	ND	1.86	93.0	2.00	2.42	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.8	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.67	83.4	2.00	2.81	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.12	85.3	6.00	2.70	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	07/01/2016	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	06/29/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	<10.0	10.0	06/29/2016	ND	205	103	200	4.39	
Surrogate: 1-Chlorooctane	82.5	% 35-147							
Surrogate: 1-Chlorooctadecane	79.1	% 28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP3 @ 3' (H601435-06)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	07/01/2016	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	06/30/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	205	103	200	4.39	
Surrogate: 1-Chlorooctane	86.2 9	% 35-147							
Surrogate: 1-Chlorooctadecane	82.3 9	% 28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/24/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP4 @ 1' (H601435-07)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	07/01/2016	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	06/30/2016	ND	199	99.7	200	1.23	
DRO >C10-C28	183	10.0	06/30/2016	ND	205	103	200	4.39	
Surrogate: 1-Chlorooctane	80.7	% 35-147	7						
Surrogate: 1-Chlorooctadecane	83.4	% 28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP4 @ 3' (H601435-08)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	85.5 9	% 35-147							
Surrogate: 1-Chlorooctadecane	85.6 9	28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP5 @ 1' (H601435-09)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	18.5	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	78.3	% 35-147	7						
Surrogate: 1-Chlorooctadecane	79.5	% 28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP5 @ 3' (H601435-10)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	16.1	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	80.1 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	81.8 9	% 28-171							

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP6 @ 1' (H601435-11)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	75.4	% 35-147							
Surrogate: 1-Chlorooctadecane	73.7 9	26 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP6 @ 3' (H601435-12)

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	07/05/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	07/05/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	07/05/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	07/05/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	07/05/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	78.3	% 35-147	7						
Surrogate: 1-Chlorooctadecane	80.8	% 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP7 @ 1' (H601435-13)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	07/01/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	19.5	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	81.6	% 35-147							
Surrogate: 1-Chlorooctadecane	83.2	% 28-171							

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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP7 @ 3' (H601435-14)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	81.1	% 35-147	,						
Surrogate: 1-Chlorooctadecane	81.8	% 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP8 @ 1' (H601435-15)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	75.1	% 35-147							
Surrogate: 1-Chlorooctadecane	79.9	% 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP8 @ 3' (H601435-16)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8930	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	86.0 \$	% 35-147							
Surrogate: 1-Chlorooctadecane	89.7 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP9 @ 1' (H601435-17)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	73.4	% 35-147							
Surrogate: 1-Chlorooctadecane	88.3	% 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/28/2016	Sampling Date:	06/27/2016
Reported:	07/06/2016	Sampling Type:	Soil
Project Name:	BANTER STATE #4	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP9 @ 3' (H601435-18)

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	06/30/2016	ND	1.86	93.2	2.00	1.86	
Toluene*	<0.050	0.050	06/30/2016	ND	1.76	87.9	2.00	2.23	
Ethylbenzene*	<0.050	0.050	06/30/2016	ND	1.65	82.6	2.00	3.01	
Total Xylenes*	<0.150	0.150	06/30/2016	ND	5.08	84.7	6.00	2.73	
Total BTEX	<0.300	0.300	06/30/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9330	16.0	07/05/2016	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	06/30/2016	ND	198	98.9	200	0.992	
DRO >C10-C28	<10.0	10.0	06/30/2016	ND	187	93.3	200	0.787	
Surrogate: 1-Chlorooctane	82.6	% 35-147							
Surrogate: 1-Chlorooctadecane	85.0 \$	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Date:	Time:	Puic.	Date.	and any other cause whatsoever shall b dental or consequental damages, includ	fliability and client's exclusive remedy to	5	2				2.		2			2				Imple I.D.	;		Urnelus	>	Stall (an #	Project Ov	Fax #: 5	State: NM
Received By:	Clean hinter	Received By:	of services hereunder by Cardinal, recardless of whether such claim is based upon Date: Doctor B	ana any order cause whatsoewer shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable dental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client its subsidiaries	Tablity and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	611	61						2 - 2	0	20	1				AIN DW WAT	(C)C ERS ATE	MATRIX	Fax #:	Phone #:	F/ State:	ner: Uncho city:	575-397-0397 Address:	A zip: 88241 Attn:
	REMARKS:	Phone Result:	any of the above stated reasons or otherwise.	ardinal within 30 days after completion of the a loss of profits incurred by client. Its subsidiaries	e limited to the amount paid by the client for the	1 211 1111	0101 912 9	612716 900	016 01/01/0	00/201 10 200	671 01 10	SSII al lo ISS	K au 11 har	6 24/16 1120	626 91 40 0	S16 71 1/2 9		DATE	ER			PRESERV. SAMPLING		*	Zip:		SS:	
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	Add'l Fax #:	Add'I Phone #:																										

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Sample

Project Name: Son

States

Project #:

Project Location:

test

FOR LAB USE ONLY ampler Name: Phone #: 575-397-6388

city: Hobbs

Project Manager: Cliff Brunson

Company Name: BBC International, Inc.

Address: P.O. Box 805

Company: P.O. #:

BILL TO

ANALYSIS

REQUEST

Sampler - UPS - Bus - Other:

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

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Page 21 of 22

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 22

		ALL TO	
Project Manager: Cliff Brunson	P.O. #:		ANALISIS REQUESI
Address: P.O. Box 805	Company:		
city: Hobbs State: NM	Zip: 88241		
Phone #: 575-397-6388 Fax #: 57	575-397-0397 Address:		
	Project Owner: Concho city:		
Project Name: (Sphere) St Lan H		7im.	
Project Location:		<u>Lib</u> .	
TAT	Phone #:		
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FOR UNE ONLY		V. SAMPLING	
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EASE 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 appoint nod to the second	any claim arising whether based in contract or tort, shall be limited	10 the amount nod but the stand to sta	
Invice. In no event shall Cardinal be liable for incidential or concepturate and event window funds made in writing and received by Cardinal within 30 days after completion of the applicable finites or successors arising out of or related to the performance of services hemunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	otemend waived unless made in writing and received by Cardinal v g without limitation, business interruptions, loss of use, or loss of pr Cardinal, regardless of whether such claim is based upon any of the Received Rv-	within 30 days after completion of the applicable rofits incurred by client, its subsidiaries, above stated masons or otherwise.	
	Den bet	Phone Result: Yes No Fax Result: Yes No REMARKS:	Add'l Phone #: Add'l Fax #:
elinquished By:	Received By:		

Lime:

Delivered By://(Circle One) Sampler - UPS - Bus - Other:

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

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Sample Condition Cool Intact Yes Pres No No

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CHECKED BY:

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July 20, 2016

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

Hobbs, NM 88241

RE: BANTER STATE COM #4 H

Enclosed are the results of analyses for samples received by the laboratory on 07/11/16 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 1 @ 5' (H601542-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	07/15/2016	ND	400	100	400	3.92	

Sample ID: SB 1 @ 7' (H601542-02)

Chloride, SM4500Cl-B			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	07/15/2016	ND	400	100	400	3.92	

Sample ID: SB 1 @ 9' (H601542-03)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	07/15/2016	ND	400	100	400	3.92	

Sample ID: SB 1 @ 15' (H601542-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/15/2016	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 1 @ 17' (H601542-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/15/2016	ND	432	108	400	3.77	QM-07

Sample ID: SB 2 @ 5' (H601542-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10500	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 2 @ 9' (H601542-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 2 @ 12' (H601542-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 2 @ 15' (H601542-09)

Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/15/2016	ND	432	108	400	3.77	

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Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 2 @ 17' (H601542-10)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 5' (H601542-11)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 9' (H601542-12)

Chloride, SM4500Cl-B	ride, SM4500Cl-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 15' (H601542-13)

Chloride, SM4500CI-B	mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 20' (H601542-14)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	07/15/2016	ND	432	108	400	3.77	

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Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 3 @ 25' (H601542-15)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 30' (H601542-16)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 33' (H601542-17)

Chloride, SM4500Cl-B	loride, SM4500Cl-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 3 @ 35' (H601542-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 5' (H601542-19)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	07/15/2016	ND	432	108	400	3.77	

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Received:	07/11/2016	Sampling Date:	07/06/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 4 @ 7' (H601542-20)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 9' (H601542-21)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 12' (H601542-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 15' (H601542-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/15/2016	ND	432	108	400	3.77	

Sample ID: SB 4 @ 17' (H601542-24)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/15/2016	ND	432	108	400	3.77	

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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 5 @ 5' (H601542-25)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	07/15/2016	ND	432	108	400	0.00	QM-07

Sample ID: SB 5 @ 9' (H601542-26)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 15' (H601542-27)

Chloride, SM4500Cl-B	, SM4500Cl-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 20' (H601542-28)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 25' (H601542-29)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	07/15/2016	ND	432	108	400	0.00	

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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 5 @ 30' (H601542-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 35' (H601542-31)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 40' (H601542-32)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 45' (H601542-33)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 5 @ 47' (H601542-34)

Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/15/2016	ND	432	108	400	0.00	

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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 6 @ 5' (H601542-35)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8260	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 9' (H601542-36)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 15' (H601542-37)

Chloride, SM4500Cl-B	OCI-B mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 20' (H601542-38)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 25' (H601542-39)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	07/15/2016	ND	432	108	400	0.00	

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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 6 @ 30' (H601542-40)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 6 @ 33' (H601542-41)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 7 @ 5' (H601542-42)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 7 @ 7' (H601542-43)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	07/15/2016	ND	432	108	400	0.00	

Sample ID: SB 7 @ 9' (H601542-44)

Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/15/2016	ND	432	108	400	0.00	

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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 7 @ 12' (H601542-45)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 5' (H601542-46)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 9' (H601542-47)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 12' (H601542-48)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 8 @ 15' (H601542-49)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/15/2016	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Received:	07/11/2016	Sampling Date:	07/07/2016
Reported:	07/20/2016	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	COG		

Sample ID: SB 9 @ 5' (H601542-50)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 9 @ 7' (H601542-51)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/15/2016	ND	400	100	400	0.00	

Sample ID: SB 9 @ 9' (H601542-52)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/15/2016	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

HLDIS42 Project Manager: Cliff Brunson Phone #: 575-397-6388 Sampler Name: Address: P.O. Box 805 Project Location Sampler - UPS - Bus - Other: Relinduished B Delivered By: alyses. All claims including those rvice. In no event shall Cardinal t Cardinal cannot accept verbal changes. Please fax written changes to 505-393-9476 a 5 (Circle One) U be liable 01 BANTER U Sample I.D. ğ N EFF noidental or ce and any other 0 0 6 0 0 0 \$ 0 0 ۲ 5 S 1 V 4 U STATE ۱ ٩ Fax #: Project Owner: ۹ DRIVELAS State: NM inge 575-397-0397 0 Loin Zip: DDF (G)RAB OR (C)OMP 0 0 R Received By -0 ceived By # CONTAINERS 88241 GROUNDWATER 0 Cool Intact Sample Condition WASTEWATER 44 5 MATRIX nade in SOIL S. 1 1 OIL pue Bugga SLUDGE P.O. #: Fax #: State: City: loss of use OTHER Attn: Phone #: Address: Company: ACID/BASE PRESERV ed by Cardina ICE / COOL CHECKED BY: 2 7 loss OTHER of profits 11-9-E Zip DATE SAMPLING So days é 6. 0 ē 6 6 6 ą client, its subsidiaries Fax Result: REMARKS: Phone Result: 1249 TIME 1237 230 3 50 30 26 8 4 dde aun jo HLORIDE Yes No Add'l Phone # Add'l Fax #:

+

Relinquished

ASE NOTE: L

20

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city: Hobbs

Project Name: Project #:

FOR LAB USE ONLY

Lab I.D.

S 5 S

Company Name: BBC International, Inc.

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

BILL TO

ANALYSIS

REQUEST

Page 14 of 19

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 15 of 19

Received by OCD: 4/11/2023 1:22:51 PM

(50	(505) 393-2326 FAX (505) 393-2476			1
Company Name:		BILL TO	ANALYSIS REQUEST	
Project Manager:	Cliff Brunson	P.O. #:		
0	Box 805	Company: C.O.G		
city: Hobbs	State: NM Zip: 88241	Attn:		
Phone #: 575-397-6388	7-6388 Fax #: 575-397-0397	Address:		_
Project #:	Project Owner: C.O.G	City:		-
Project Name:	BANTER STATE Con # 4	H State: Zip:		-
Project Location:		Phone #:		_
Sampler Name:	JEFF OPNELAS	Fax #:		_
FOR LAB USE ONLY	P.	MATRIX PRESERV. SAMPLING		
Lab I.D.	AB OR (C)OMP NTAINERS UNDWATER TEWATER	ER : /BASE: COOL		
HIDO15472	# CO GRO	OTHE		
11 5	BS@S GII	2 91.9.2 1	210 V	
12	@ 4" CI	5 91.9.5	26 0	
E.	e 15. CII	2 31.9.2	V 7 4	
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PLEASE NOTE: Liability and Dam	apes. Cardinal's liability and client's exclusive remedy for any claim arisin	contract or tort shall be limited to the amount naid		L
analyses All claims including those for negligence and any othe service. In no event shall Cardinal be liable for incidental or con affiliates or successors arsund out of or related to the performan	If cause whatsoever shall be deemed wais sequential damages, including without limit ce of services hereunder by Candinal recu	rer universe source of the clean control, severe common to the annual types of the clean control the rerd unless made in writing and received by Cardnal within 30 days fate competition of the a tablon, business interruptions, loss of use, or loss of profits incurred by cleant, its subsidiaries buttless of whother such claim is based uncon any of the above stated reasons or or otherwise.	pletton of the applicable the subtraction of the applicable the subtraction of the applicable of otherwise	
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Sampler - UPS - B	Bus - Other: 217 C Yes	No YM		-
† Cardinal can	Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	jes to 505-393-2476		
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Page 52 of 133

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 16 of 19

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:	_	_
Address: P.O. Box 805		Company: C-O-(4	
city: Hobbs State: NM	zip: 88241	Attn:		
5-397-6388 Fax #:	-0397	Address:		
Project #: Project Owner:	0.0.4	City:		
Project Name: BANTER State	Coin # AH	State: Zip:		
Project Location:		Phone #:	-	
Sampler Name: SEFF OCUEL	45	Fax #:	E	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
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PLEASE NOTE: Liability and Qamages. Cardina's liability and client's enclasive remedy for any claim ansing whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims included protection registence and any other cause whatboever shall be deemed warved unless made in writing and received by cardinal writin 30 days after completion of the a service. In no event spall Cardinal be liable for incidential or completion gate, including without imitation, burness intemptions, loss of use, or loss of proteins incurred to subscitative service. In no event spall Cardinal be liable for incidential or completion of the short and the subscitative atfliates or successful animo out of reliabed to the performance of services the resurder to Cardinal meanings.	valuave remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the whatsoever shall be deemed waived unless mude in writing and received by Catafinii within 30 days after competion of the applicable al damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, vices hereinoder by Catafinii meastines of whether such claim is based unon avoid the above stated resonance to subsidiaries.	ontract or tort, shall be limited to the amount paid by org and received by Cardinal within 30 days after or toons, loss of use, or loss of the othis incurred by clien relative to based snoor and of the above stream stream or relative to based snoor and of the above stream stream or too the based snoor and of the above stream strea	d by the client for the r completion of the applicable client, its subsidiaries, account of abundances	
shed By: Tique: 10	2		Phone Result: Fax Result: Yes REMARKS:	□ No Add'I Phone #: □ No Add'I Fax #:
Relifiquished By:	Received By:	Lendon		
Sampler - UPS - Bus - Other:	90 Cool Intact	ON CHECKED BY:		
Cardinal cannot accept verbal changes Please fax written changes to 505-303-2476	so fay written channes to 5	10 000 01 00 0 00 0 00 0 00 0 00 0 00		

Page 17 of 19

Sampler - UPS † Cardinal	Delivered By:	Relinquished By:	Relinquished B	analyses. All claims include service. In no event shall C affiliates or successors arisi	anternonanas	H601542	Lab I.D.	Sampler Name:	Project Location:	Project Name:	Project #:
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Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805	Company:	
city: Hobbs State: NM Zip: 8	88241 Attn:	
e#: 575-397-6388 Fax #: 575-		
Project #: Project Owner:	P	
Project Name: Be-Les Half	State: Zip:	
Project Location:	Phone #:	
Sampler Name:	Fax #:	
FOR LAB USE DALLY	MATRIX PRESERV SAMPLING	
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PLEASE NOTE: Liability and Damages. Candina's liability and client's exclusive remedy for any claim analy	rg whether based in contract or tort, shall be limited to the amount paid by the client for the	
analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waive service. In no event shall Cardingal be liable for incidental or consequential damages, including without limitat affiliates or successors arising/out of or reliade to the performance of services hereunder for Cardinal related	vers shall be deemed waived unless made in writing and received by Cardinal writin 30 diays after competition of the applicable ges, including without imitation, business interruptions, losso (Jues, or losso if profits incurred by client, its subsidiaries, traunder by Cardinal repartiess of whether such claim is based upon any of the above stated tradeos or otherwise	
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Relinquished By:	Mi Aluson	
Delivered By: (Circle One)	n CHI	
Sampler - UPS - Bus - Other: 2.92		
† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	tten changes to 505-383-2476	
	HLC	

Released to Imaging: 5/3/2023 2:20:29 PM

Page 18 of 19

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

Company Name: BBC International, Inc.	DIFF IO	
Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805	company: C.O.G	
city: Hobbs State: NM	Zip: 88241 Attn:	
5-397-6388 Fax #:	575-397-0397 Address:	
Project #: Project Owner:	r: C. O-G city:	
Project Name: BANTER State	Con # JH State: Zip:	
Project Location:	Phone #:	
Sampler Name:	Fax #:	
FOR LAB USE ONLY	MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	
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PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim arsing whether based in contract or tort, shall be limited to the amount paid by the client for the	Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	ient for the
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for	r any claim arsing whether based in contract or fort, shall be limited to the amount paid by use of	

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Relinquished By Relinquished By Sampler - UPS - Bus - Other: Delivered By: (Circle One) † Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 Tippe: Date 77/12/14 Dat CNG 2 **Received By** Received By 20 9 Cool Intact Yes Yes No No Sample Condition CHECKED BY: (Initials) Phone Result: Fax Result: REMARKS: □ Yes No No Add'l Fax #: Add'l Phone #:

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Page 19 of 19

101 East Marland, Hobbs, NM 88240	240	
(505) 393-2326 FAX (505) 393-2476		ANALYSIS REQUEST
Company Name: BBC International, Inc.	DIFFIC	
Project Manager: Cliff Brunson	P.O. #	
Address: P.O. Box 805	Company: C.O.C7	
city: Hobbs State: NM	Zip: 88241 Attn:	
5-397-6388 Fax #:	575-397-0397 Address:	
Project #: Project Owner:	r: C.O.G city:	
ame: BANTER St	N # 4 H ' State: Zip:	
on:	Phone #:	
Sampler Name:	Fax #:	
FOR LAB USE ONLY	MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for analyses. All claims including those for negligence and any other cause whatsoever shall be service. In no event shall/dardinal be liable for incidential or consequential damages, includin	billy and Damages. Cardina'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 the client for the including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable shally fardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of use to the other to other the subsidiaries.	cable
Relinquisbéd By: Date 1 10 Time:	Received By:	□ Yes □ No Add'I Phone #: □ Yes □ No Add'I Fax #:
Relinquished By:	Received By: MOM MWWW	
Delivered By: (Chrcle One)		
Sampler - UPS - Bus - Other:	2,96 Eves Ares	
t Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	se fax written changes to 505-393-2476	





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

COG – Banter State Com #004H

Lab Analyses, Split Sampling



March 10, 2017

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

RE: BANTER STATE COM #4 H

Enclosed are the results of analyses for samples received by the laboratory on 03/08/17 8:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/01/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP1 @ 4' (H700586-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP1 + 10' OUT @ 4' (H700586-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP1 + 20' OUT @ 4' (H700586-03)

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	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP2 @ 4' (H700586-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	03/09/2017	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/01/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP2 + 10' OUT @ 4' (H700586-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP2 + 20' OUT @ 4' (H700586-06)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP3 @ 4' (H700586-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP3 + 10' OUT @ 4' (H700586-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP3 + 20' OUT @ 4' (H700586-09)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC	y: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/09/2017	ND	416	104	400	0.00	

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/01/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP4 @ 4' (H700586-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP4 + 10' OUT @ 4' (H700586-11)

Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP4 + 20' OUT @ 4' (H700586-12)

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	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP4 + 30' OUT @ 4' (H700586-13)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP5 @ 4' (H700586-14)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	03/09/2017	ND	416	104	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/01/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP5 + 10' OUT @ 4' (H700586-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/09/2017	ND	416	104	400	0.00	

Sample ID: SP6 @ 4' (H700586-16)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	03/09/2017	ND	400	100	400	3.92	QM-07

Sample ID: SP6 - 10' IN @ 4' (H700586-17)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP7 @ 4' (H700586-18)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP7 + 10' OUT @ 4' (H700586-19)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	03/09/2017	ND	400	100	400	3.92	

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/02/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP8 @ 4' (H700586-20)

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	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP9 @ 4' (H700586-21)

Chloride, SM4500Cl-B	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP9 + 10' OUT @ 4' (H700586-22)

Chloride, SM4500Cl-B	00Cl-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	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP10 @ 4' (H700586-23)

Chloride, SM4500Cl-B	00Cl-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP10 + 10' OUT @ 4' (H700586-24)

Chloride, SM4500Cl-B	-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	03/09/2017	ND	400	100	400	3.92	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/02/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP10 + 20' OUT @ 4' (H700586-25)

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	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP11 @ 4' (H700586-26)

Chloride, SM4500Cl-B	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP11 - 10' IN @ 4' (H700586-27)

Chloride, SM4500Cl-B	ide, SM4500Cl-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP12 @ 4' (H700586-28)

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	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP12 + 10' OUT @ 4' (H700586-29)

Chloride, SM4500Cl-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	03/09/2017	ND	400	100	400	3.92	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/02/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP13 @ 4' (H700586-30)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP13 + 10' OUT @ 4' (H700586-31)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP14 @ 4' (H700586-32)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP15 @ 4' (H700586-33)

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	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP15 - 10' IN @ 4' (H700586-34)

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	03/09/2017	ND	400	100	400	3.92	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/02/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP16 @ 4' (H700586-35)

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	03/09/2017	ND	400	100	400	3.92	

Sample ID: SP16 - 10' IN @ 4' (H700586-36)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP17 @ 4' (H700586-37)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5460	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP17 + 10' OUT @ 4' (H700586-38)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP18 @ 4' (H700586-39)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	03/09/2017	ND	448	112	400	3.64	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/02/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP18 + 10' OUT @ 4' (H700586-40)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP18 + 20' OUT @ 4' (H700586-41)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP19 @ 4' (H700586-42)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP19 + 10' OUT @ 4' (H700586-43)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP20 @ 4' (H700586-44)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5860	16.0	03/09/2017	ND	448	112	400	3.64	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/08/2017	Sampling Date:	03/03/2017
Reported:	03/10/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP20 + 10' OUT @ 4' (H700586-45)

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	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP21 @ 4' (H700586-46)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	03/09/2017	ND	448	112	400	3.64	

Sample ID: SP21 + 10' OUT @ 4' (H700586-47)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/09/2017	ND	448	112	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Company Name:		, Inc.											8	BILL TO					ANALYSIS REQUEST	
Project Manager:	r: Cliff Brunson	-								J.	P.O. #:	#					_	-		
Address: P.O.	P.O. Box 805	12								0	Company:	ban	:	COG						
city: Hobbs		State: NM	Zip:		88241	241	_			Þ	Attn:	-	0	WHCh w	005	<i></i>				
Phone #: 575-397-6388		Fax #: 575-397-0397	-36	17-0	39	7				Þ	Address:	SSe								
Project #:		Project Owner:	a	C	K					Ω	City:									_
Project Name: [Banter State Com #004H	04H								ŝ	State:			Zip:						
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Sampler Name:	Price Brunson									T	Fax #:	.								_
FOR LAB USE ONLY				-			MA	MATRIX	×		귀	PRESERV.	R	A SAMPLING	G					_
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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Project Manager: Cliff Brunson	Cliff Brunson									P.O. #:	2	77								\neg	\neg		_		-		-		-						
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city: Hobbs		State: NM	Zip:		88241	Ξ				Attn:	2	~	0	8	17Gn	55																			
Phone #: 575-397-6388		(J)	397.	03	97					Ad	dre	Address:																							
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FOR LAB USE ONLY				_		-	MATRIX	Ŗ	L		PR	PRESERV.	뜄	2	SAMPLING	G					_						-					_			
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PLEASE NOTE: Liability and Damages. Cardinal's liabilit analyses. All claims including those for negligence and a service. In no event shall Cardinal be liable for incidental	PLEASE NOTE: Lubility 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 the client for the analyses. All claims including those for megigence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptons, loss of use, or loss of profits incurred by client, its subsidiaries,	ily and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the a b) or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries b) or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of the state of the	y claim : semed v without I	arising whether based in contract or tort, shall be waived unless made in writing and received by Ca limitation, business interruptions, loss of use, or lo	g whet f unles on, bu	her bu	s inter	n con writing	and g and	nece	t, shu wed t	or lo	limite Indina	al within 2 al within 2 of profits in	the amount paid hin 30 days after fits incurred by cli	paid by the client for the after completion of the au by client, its subsidiaries.	he applicab es.	ē																	
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Page 15 of 17

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(505) 393-2326 FAX (505) 393-2476	L-9476			
Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:	_	-
Address: P.O. Box 805		Company: CDG		
State:	NM zip: 88241	Attn: 11 obut Grud	168	
Phone #: 575-397-6388 Fax #:	575-397-0397	Address:		
Project #: Project Owner:	wner: (06	City:		
ame: Banter State Com #0		State: Zip:		
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Sampler Name: Price Brunson		Fax #:		
٦	MATRIX	PRESERV. SAMPLING	NG	
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ms including those for negligence and any other cause whatsoever rent shall Cardinal be liable for incidental or consequental damages, essors arising out of or related to the performance of services hereu	shall be deemed waived unless made in writing an including without limitation, business interruptions, inter tw Cardinal, recardless of whether such claim	nd received by Cardinal within 30 days after loss of use, or loss of profits incurred by c is based upon any of the above stated rea	r completion of the applicable sient, its subsidiaries, sens or otherwise	
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101 East Marland, Hobbs, NM 88240

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

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					Zip:		e:	State:						Banter State Com #004H	Banter State	Project Name:
								City:				106	-	Project Owner:		Project #:
						n	Address:	Ado			97	-030	575-397-0397	Fax #: 575	575-397-6388	Phone #: 575-
				Sam	but Grubbs	200		Attn:			88241		Zip:	State: NM		city: Hobbs
					006	IY: (Company:	Con). Box 805	Address: P.O.
							#	P.O. #:						nson	er: Cliff Brunson	Project Manager:
REQUEST	ANALYSIS F				BILL TO	BI								BBC International, Inc.		Company Name:

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

40

Cool Intact Yes Yes No No Sample Condition

CHECKED BY:

Initials d

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Released to Imaging: 5/3/2023 2:20:29 PM
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Page 17 of 17

Released to Imaging: 5/3/2023 2:20:29 PM

Company Name: BBC International, Inc.	BBC International, Inc.	BILL TO		ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:		
Address: P.O. Box 805		Company:		
city: Hobbs	State: NM Zip: 88241	Attn: VI USUA Grubb	Ψ.	
Phone #: 575-397-6388	(J)	ess:		
Project #:	Project Owner: COG	City:		
Project Name: Banter State Com #004H	m #004H	State: Zip:		
Project Location: Lea County, NM	M	#		
Sampler Name: Price Brunson	ion	Fax #:		
	MATRIX			
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME C(
4 SP18 + 20' OUT	@4' CI	J 3/2/17	3:00 PM 🖌	
42 SP19 @ 4'	6 - 1	J3/3/17 8;40	8;40 AM	
SP19	@4' 6 -	3/3/17		
44 SP20 @ 4"	0-	V 3/3/17 10:0	10:00 AM	
45 SP20 + 10' OUT	JT @ 4' 6 - V	V 3/3/17 10:3	10:30 AM	
46 SP21@4"	6 - 2	V 3/3/17 10:5	10:55 AM	
47 SP21 + 10' OUT	JT @ 4' C /	V 3/3/17 11:2	11:20 AM	
Hird Dear	PAR.			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exc manayses. All claims including those for negligence and any other cause wi service. In no event shall Cardinal be liable for indicental or consequentiat utilitate or surposecore arising net of or related to the servicements of service	usive remedy for any claim arising whether base atsoever shall be deemed waived unless made it atmages, including without limitation, business in a house the formation of the statement of the statement of the statement of the statement of the s	itract or tort, shall be limited to the amount paid by the g and received by Cardinal within 30 days after compl core, loss of use, or loss of profits incurred by client, its core.	client for the subsidiaries,	
Relinguished By:	Date 3/17 Received By:	Pho Fax REN	Phone Result: Yes No Fax Result: REMARKS:	Add'l Phone #: Add'l Fax #:
Relinquished By:	N 1	Makel		
Sampler - UPS - Bus - Other:	Cool Intact	Yes (Initials)		



COG Banter State Com #4 SP's Outer Perimeter w/Measurements



March 09, 2017

VERNON BLACK Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: COG'S BANTER STATE COM #4

Enclosed are the results of analyses for samples received by the laboratory on 03/07/17 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 accredited 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.

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,

Celeg D. Keene

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/01/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 4' (H700576-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC	-				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP1 +10' OUT 4' (H700576-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC		Second Second second second			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP1 +20' OUT 4' (H700576-03)

Chloride, SM4500Cl-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	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP2 4' (H700576-04)

Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	03/08/2017	ND	448	112	400	6.90	

Cardinal Laboratories

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/01/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 +10' OUT 4' (H700576-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC				-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP2 +20 OUT 4' (H700576-06)

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	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP3 4' (H700576-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP3 +10' OUT 4' (H700576-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC			5		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP3 +20 OUT 4' (H700576-09)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/08/2017	ND	448	112	400	6.90	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/01/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP4 4' (H700576-10)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP4 +10' OUT 4' (H700576-11)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP4 +20' OUT 4' (H700576-12)

Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	03/08/2017	ND	448	112	400	6.90	

Sample ID: SP4 +30' OUT 4' (H700576-13)

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	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP5 4' (H700576-14)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						2
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	03/08/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celleg Di Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/01/2017	
Reported:	03/09/2017	Sampling Type:	Soil	
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)	
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson	
Project Location:	NOT GIVEN			

Sample ID: SP5 +10' OUT 4' (H700576-15)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP6 4' (H700576-16)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC					ж.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP6 -10' IN 4' (H700576-17)

Chloride, SM4500CI-B	mg/kg Ana			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP7 4' (H700576-18)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP7 +10' OUT 4' (H700576-19)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	03/08/2017	ND	448	112	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

		Anal	ytical Resu	lts For:					
		Hu VE P.C Ho	ngry Horse Env RNON BLACK). Box 1058 bbs NM, 88240	vironmental					
Received: Reported: Project Name: Project Number: Project Location:	03/07/24 03/09/24 COG'S B NONE G NOT GIV	017 ANTER STATE C IVEN	OM #4	Sampling Date:03/02/2017Sampling Type:Soil#4Sampling Condition:** (See NotesSample Received By:Jodi Henson					
Sample ID: SP8 4' (H700	576-20)								
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	03/08/2017	ND	448	112	400	0.00	
Sample ID: SP9 4' (H700) Chloride, SM4500CI-B	576-21) mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	03/08/2017	ND	448	112	400	0.00	
Sample ID: SP9 +10' OUT Chloride, SM4500Cl-B	4' (H700576 mg,		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/08/2017	ND	448	112	400	0.00	
Sample ID: SP10 4' (H70) Chloride, SM4500Cl-B)576-23) mg,	/kg	Analyze	d By: AC	ы				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	03/08/2017	ND	448	112	400	0.00	
Sample ID: SP10 +10' Ol Chloride, SM4500Cl-B	JT 4' (H70057 mg/		Analyze	d By: AC		10			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7840	16.0	03/08/2017	ND	448	112	400	0.00	
Cardinal Laboratories	al's liability and ckent's e	xclusive remedy for any cla	im arising, whether based	in contract or tort, sha	II. be limited to	b the amount paid by		*=Accredit	

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/02/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP10 +20' OUT 4' (H700576-25)

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	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP11 4' (H700576-26)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP11 -10' IN 4' (H700576-27)

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	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP12 4' (H700576-28)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP12 +10' OUT 4' (H700576-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte		Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	ц _ю	96.0	16.0	03/08/2017	ND	448	112	400	0.00	

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/02/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP13 4' (H700576-30)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						•
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4130	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP13 +10' OUT 4' (H700576-31)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP14 4' (H700576-32)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP15 4' (H700576-33)

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	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP15 -10' IN 4' (H700576-34)

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	03/08/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/02/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP16 4' (H700576-35)

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	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP16 -10' IN 4' (H700576-36)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP17 4' (H700576-37)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP17 +10' OUT 4' (H700576-38)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP18 4' (H700576-39)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC	By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	03/08/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/03/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP18 +10' 4' (H700576-40)

Chloride, SM4500Cl-B mg/kg			Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP18 +20' 4' (H700576-41)

Chloride, SM4500Cl-B	mg	mg/kg Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP19 4' (H700576-42)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP19 +10' 4' (H700576-43)

Chloride, SM4500CI-B mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP20 4' (H700576-44)

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC				e		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	03/08/2017	ND	448	112	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental VERNON BLACK P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	03/07/2017	Sampling Date:	03/03/2017
Reported:	03/09/2017	Sampling Type:	Soil
Project Name:	COG'S BANTER STATE COM #4	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP20 +10' 4' (H700576-45)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	03/08/2017	ND	448	112	400	0.00		

Sample ID: SP21 4' (H700576-46)

Chloride, SM4500CI-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	03/08/2017	ND	448	112	400	0.00	

Sample ID: SP21 +10' OUT 4' (H700576-47)

Chloride, SM4500CI-B	mg/kg		Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/08/2017	ND	448	112	400	0.00		

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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.
5	Chloride by SM4500CI-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

Celleg D. Keene

Celey D. Keene, Lab Director/Quality Manager



1

Page 13 of 17



Page 14 of 17



Page 15 of 17





Page 17 of 17

55



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

COG – Banter State Com #004H

Lab Analyses, Confirmation sidewall sampling



June 19, 2017

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

RE: BANTER STATE COM #4 H

Enclosed are the results of analyses for samples received by the laboratory on 06/16/17 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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.

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,

Celecz D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/16/2017	Sampling Date:	06/16/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP 1 SIDEWALL (H701570-01)

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	06/19/2017	ND	400	100	400	3.92	

Sample ID: SP 2 SIDEWALL (H701570-02)

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	06/19/2017	ND	400	100	400	3.92	

Sample ID: SP 3 SIDEWALL (H701570-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/19/2017	ND	400	100	400	3.92	

Sample ID: SP 4 SIDEWALL (H701570-04)

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	06/19/2017	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/16/2017	Sampling Date:	06/16/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP 5 SIDEWALL (H701570-05)

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	06/19/2017	ND	400	100	400	3.92	

Sample ID: SP 6 SIDEWALL (H701570-06)

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	06/19/2017	ND	400	100	400	3.92	

Sample ID: SP 7 SIDEWALL (H701570-07)

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	06/19/2017	ND	400	100	400	3.92	

Sample ID: SP 8 SIDEWALL (H701570-08)

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	06/19/2017	ND	432	108	400	3.64	

Sample ID: SP 9 SIDEWALL (H701570-09)

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	06/19/2017	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	06/16/2017	Sampling Date:	06/16/2017
Reported:	06/19/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP 10 SIDEWALL (H701570-10)

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	06/19/2017	ND	432	108	400	3.64	

Sample ID: SP 11 SIDEWALL (H701570-11)

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	06/19/2017	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 5/3/2023 2:20:29 PM

Company Name: BBC International, Inc.	A (DUD) 393-2470 121, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805		Company:	
city: Hobbs	State: NM zip: 88241	Attn:	
Phone #: 575-397-6388	Fax #: 575-397-0397	Address:	
Project #:	Project Owner: C.O.C	City:	
AME: BANTE	e state u	State: Zip:	
on:		Phone #:	
Sampler Name:	KOLERHERNANDEZ	1	
	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE		
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hed E	Receive		No Add'I Phone #: Add'I Fax #:
Relinquished By:	Time: 45 PM Date: Received By:		
Delivered By: (Circle One)	Sampl	CH	Ausa.
Sampler - UPS - Bus - Other:	tto di.5°C Dres X vi	Ves V.N.	N
+ Cardinal cannot accept verbal	Ps	2410 600 201	

Page 6 of 7

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

ARDINAL LABORATORIES

IVI Last man	101 Last Manana, 10000, 100 00270		7.
Company Name: BBC Inter	BBC International, Inc.	BILL TO	ANALYSIS REQUEST
	son	P.O. #:	
Address: P.O. Box 805		Company:	
city: Hobbs	state: NM zip: 88241	Attn:	
Phone #: 575-397-6388	Fax #: 575-397-0397	Address:	
Project #:	Project Owner: C. D.G	City:	
ame:	n	State: Zip:	
on:		Phone #:	
Sampler Name:	RIDER Uranandez	Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SILUDGE	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME	
5011	1 1	7	
-			
Strate spec 1 stills and Dissource Predicable	sublitu and claufs anchaine resterief for any claim arisin whether based in contr	tract or tort, shall be limited to the amount paid by the client for the	
PLEASE NOTE: Liability and Damages. Cardinal's analyses. All claims including those for negligence service. In no event shall Cardinal be liable for incid	PLEASE NOTE: Liability and Damages. Canchards liability and clients excusive tensory or any samily writering version servers in and new other System Canchard within 30 days after completion of the applicable analyses. At claims locating those for incigence and any other clause whatsbeer shall be deemed valued unless made in writing and ecoeved by Canchard within 30 days after completion of the applicable analyses. At claims locating those for incidental or consequential damages, including writhout limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subabilities service. In no event shall Candinal be liable for incidental or consequential damages, including writhout limitation, business interruptions, loss of use, or loss of profits incoursed by client. Its subabilities	g and received by Cardinal within 30 days after completion of the applicable ones, loss of use, or loss of profits incurred by client, its subsidiaries, subsidiaries, and the above attriad researce or otherwise	
Relinquished By:	Date: 16./7 Receive	Allin Minty REMARKS:	es 🗌 No 🛛 Add'l Phone #: es 🔲 No 🔤 Add'l Fax #:
Refinquished By:	Time: Received by:	c	Rull
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	e) Sample Condition er: $\#75 \ d$ $1.5^{\circ}C$ \Box Yes Yes No No No	Idition CHECKED BY: ct (Initials) Yes V.N.	Man.

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



June 21, 2017

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

RE: BANTER STATE COM #4 H

Enclosed are the results of analyses for samples received by the laboratory on 06/21/17 9:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	06/21/2017	Sampling Date:	06/20/2017
Reported:	06/21/2017	Sampling Type:	Soil
Project Name:	BANTER STATE COM #4 H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	COG		

Sample ID: SP 12 (H701602-01)

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	06/21/2017	ND	432	108	400	3.64	

Sample ID: SP 13 (H701602-02)

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	06/21/2017	ND	432	108	400	3.64	

Sample ID: SP 14 (H701602-03)

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	06/21/2017	ND	432	108	400	3.64	

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Company name: EDC. Interfaultion[11, III: PO. 8 Project Ramagin: Coll # Dunnon Company: Company: Project Ramagin: Coll # State: None #: State: Company: Project Ramagin: Coll # State: Project Commer: Coll # State: None #: Project Rama: Coll # State: Project Commer: Coll # State: None #: Project Rama: Coll # State: Project Commer: Coll # State: None #: Project Rama: Coll # State: Project Commer: Coll # State: None #: Project Rama: Coll # State: Project Commer: Coll # State: None #: Project Commer: Coll # State: Project Rama: Coll # State: None #: Project Commer: Coll # State: None #: Project Commer: None #: None #: None #: None #: None #: None #:
--

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

From:	Keyes, Jamie, EMNRD
То:	<u>Cliff Brunson</u>
Cc:	Robert Grubbs; Ken Swinney; Lynch, Kristen, EMNRD; Jennifer Gilkey; Amber Groves; Kathy Purvis
Subject:	RE: Concho - Banter State Com #4H - Remediation Plan
Date:	Tuesday, August 9, 2016 12:59:26 PM

Good afternoon,

The work plan is approved on the condition that data to verify that 3' provides adequate root zone for local native vegetation.

Thank you,

Jamie

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, August 08, 2016 10:42 AM
To: Keyes, Jamie, EMNRD; Amber Groves
Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Concho - Banter State Com #4H - Remediation Plan

Jamie and Amber,

I have attached the remediation packet that we used in our discussion of the remediation plan for the Concho Banter State Com #4H leak site. You will find the details of the remediation plan on the first page of the packet. Both agencies have given their verbal approval of this plan and I am requesting that you reply via e-mail with your approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com



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From:	Groves, Amber
То:	Cliff Brunson; "Keyes, Jamie, EMNRD"
Cc:	"Robert Grubbs"; "Ken Swinney"; "Lynch, Kristen, EMNRD"; "Jennifer Gilkey"; "Kathy Purvis"
Subject:	RE: Concho - Banter State Com #4H - Remediation Plan
Date:	Thursday, August 18, 2016 3:21:27 PM
Attachments:	image002.png
	image001.png

Good Afternoon,

NMSLO is in concurrence with NMOCD.

Thank you,

Amber Groves

Remediation Specialist Field Operations Division (575)392-3697 (575)263-3209 cell New Mexico State Land Office 2827 N. Dal Paso Suite 117 Hobbs, NM 88260

.....

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From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Tuesday, August 09, 2016 7:48 PM

To: 'Keyes, Jamie, EMNRD' <Jamie.Keyes@state.nm.us>

Cc: 'Robert Grubbs' <RGrubbs@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>;

'Lynch, Kristen, EMNRD' <Kristen.Lynch@state.nm.us>; 'Jennifer Gilkey'

<jgilkey@bbcinternational.com>; Groves, Amber <agroves@slo.state.nm.us>; 'Kathy Purvis' <kathy@bbcinternational.com>

Subject: RE: Concho - Banter State Com #4H - Remediation Plan

Jamie,

Thank you and I have attached the plant information about the gramma grasses that will be seeded to verify that 3 feet is an adequate root zone. This is the same information that you and I have discussed previously.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com



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From: Keyes, Jamie, EMNRD [mailto:Jamie.Keyes@state.nm.us]
Sent: Tuesday, August 9, 2016 12:59 PM
To: Cliff Brunson <<u>cbrunson@bbcinternational.com</u>>
Cc: Robert Grubbs <<u>RGrubbs@concho.com</u>>; Ken Swinney <<u>kswinney@bbcinternational.com</u>>;
Lynch, Kristen, EMNRD <<u>Kristen.Lynch@state.nm.us</u>>; Jennifer Gilkey
<jgilkey@bbcinternational.com>; Amber Groves <<u>agroves@slo.state.nm.us</u>>; Kathy Purvis
<<u>kathy@bbcinternational.com</u>>
Subject: RE: Concho - Banter State Com #4H - Remediation Plan

Good afternoon,

The work plan is approved on the condition that data to verify that 3' provides adequate root zone for local native vegetation.

Thank you,

Jamie

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, August 08, 2016 10:42 AM
To: Keyes, Jamie, EMNRD; Amber Groves
Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Concho - Banter State Com #4H - Remediation Plan

Jamie and Amber,

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If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: <u>cbrunson@bbcinternational.com</u>



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6/22/201



























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

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	206370
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By		Condition Date
amaxwell	None	5/3/2023

Page 133 of 133

Action 206370