

September 13, 2012

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PERKINS - COTTON MOUTH 4" SWD

Enclosed are the results of analyses for samples received by the laboratory on 09/06/12 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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.

Celeg & Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Hobbs NM, 88241

(505) 397-0397 Fax To:

Received:

09/06/2012

Sampling Date:

09/04/2012

Reported:

Sampling Type:

Soil

Project Name:

09/13/2012

Sampling Condition:

** (See Notes)

Project Number:

PERKINS - COTTON MOUTH 4" SWD NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: SP 4 @ 2' (H202164-01)

Chloric	ie. Si	M45	00CI	-B

mg/	k
-----	---

Analyzed By: HM

Analyte

Analyte

Reporting Limit

Analyzed

Method Blank

BS 416 % Recovery 104

True Value QC

Qualifier

Chloride

4160

Result

16.0

Reporting Limit

Reporting Limit

16.0

09/12/2012

ND

400

Sample ID: SP 4 @ 2.5' (H202164-02)

Chloride, SM4500CI-B

Analyzed By: HM

Analyzed

RPD

0.00

Chloride

Result 3440

16.0 09/12/2012 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

Qualifier 0.00

Sample ID: SP 3 @ 6' (H202164-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyte

Result

Reporting Limit Analyzed Method Blank

BS

% Recovery

True Value QC

Chloride

9200

16.0 09/12/2012 ND

416

104

400

RPD 0.00 Qualifier

Sample ID: SP 2 @ 2' (H202164-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyte Result Chloride 10700

09/12/2012

Analyzed

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 0.00 Qualifier

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 8



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

Fax To:

(505) 397-0397

Received:

09/06/2012

Sampling Date:

09/04/2012

Reported:

09/13/2012

Sampling Type:

Soil

Project Name:

PERKINS - COTTON MOUTH 4" SWD NONE GIVEN

Sampling Condition:

** (See Notes)

Project Number:

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: SP 2 @ 4' (H202164-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9000	16.0	09/12/2012	ND	416	104	400	0.00	
Sample ID: SP 1 @ 2' (H2	202164-06)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	09/12/2012	ND	416	104	400	0.00	

Sample ID: SP 1 @ 4' (H202164-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6300	16.0	09/12/2012	ND	416	104	400	0.00	

Sample ID: SP 1 @ 6' (H202164-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result Repor		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6600	16.0	09/12/2012	ND	416	104	400	0.00	

Sample ID: SP 1 @ 9' (H202164-09)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6600	16.0	09/12/2012	ND	416	104	400	0.00	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Fax To: (505) 397-0397

Received:

09/06/2012

Sampling Date:

09/04/2012

Reported:

09/13/2012

Sampling Type:

Soil

Project Name:

PERKINS - COTTON MOUTH 4" SWD

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

mg/kg

Sample ID: SP 8 @ 2' (H202164-10)

-up				_	 	-	
Chloride,	SM45	00C	I-B				

Chloride, Strissocci B	9	, ng	Allaryze	.a by: 111-1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	09/12/2012	ND	416	104	400	0.00	
Sample ID: SP 8 @ 4' (H2	202164-11)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	09/12/2012 ND			104	400	0.00	
Sample ID: SP 8 @ 5' (H2	202164-12)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM				<u>-</u>	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2012	ND	416	104	400	0.00	
Sample ID: SP 7 @ 2' (H2	202164-13)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/12/2012	ND	416	104	400	0.00	
Sample ID: SP 7 @ 3' (H2	202164-14)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/12/2012	ND	416	104	400	0.00	

Analyzed By: HM

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager



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Fax To:

(505) 397-0397

Received:

09/06/2012

Sampling Date:

09/04/2012

Reported:

09/13/2012

Sampling Type:

Soil

Project Name:

PERKINS - COTTON MOUTH 4" SWD

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

Analyte

Analyte

NOT GIVEN

Result

6500

Result

Sample ID: SP 6 @ 2' (H202164-15)

ma	1	k
шу	"	N

Analyzed By: HM

Reporting Limit

16.0

Reporting Limit

Analyzed 09/12/2012

Analyzed

Method Blank ND

416

RS

% Recovery True Value QC

400

RPD

0.00

Qualifier

Sample ID: SP 6 @ 4' (H202164-16)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Method Blank

% Recovery

104

True Value OC RPD

Qualifier

Chloride

Chloride

320

16.0 09/12/2012 ND

Method Blank

ND

BS 416

104

400

Sample ID: SP 5 @ 3' (H202164-17)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Reporting Limit Analyte Result Analyzed Chloride 352 16.0 09/12/2012

BS 416 % Recovery 104

True Value QC 400

RPD 0.00

0.00

Qualifier

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Celey D. Keine Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg & Freene

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) <u>3</u> 93-2326 FAX (505) 393-2476																					
Company Name	BBC International, Inc.					C.S.A.		B	LLTO	播級。				ANA	LYSIS	RE	QUE	ST			
Project Manage	r: Cliff Brunson					P	.O. #:														
Address: P.O.	Box 805					С	ompa	ny:													
City: Hobbs	State: NM	Zip:	88	3241		Α	ttn:														
Phone #: 575-	397-6388 Fax #: 575	-397-	-039	97		Α	ddres	ss:	As to the second												
Project #:	Project #: Project Owner: (*cocho						ity:													1	
Project Name: Perkins/Cotton Mouth 4"swa						s	tate:		Zip:		i .									ĺ	
Project Location:							hone	#:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								1			
Sampler Name: Jeff Crneles							ax #:	****											1		
FOR LABIUSE ONLY		T.T	MATRIX				PRE	SERV	SAMPL	ING	_₩										
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Lab I.D.	Sample I.D.	S OR	A S	WA A		m .	ASE	징 ::			Chilor										
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3	583 @ 6'-	(3)	1		4					12:0000											
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analyses. All claims includi service, In no event shall C	n. Danlages. Cardinal's liability and client's exclusive remedy for ing thuse for negligence and any other causo whatcoever shell be cardinat by jieble for incidental or consequental damages, includin ing out of or related to the performance of services hereumbr by:	deemod w g without li Cardinal, re	raived i imitatio egardis	unioss made on, business ess of whethe	in writin interrupti	g and rei ons, loss	ceived by of use, o	Cardinal r loss of p	within 30 days after profits incurred by	er completion of the	ne applicat ries,	ble							l.		
Relinquished By: Date: Received By:							Phone Re Fax Resul					☐ Yes ☐ Yes			Phone : Fax #:	#:					

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.								ţ					ANA	LYSI	S RE	QUE	ST						
	: Cliff Brunson						P.O																
Address: P.O.	Box 805						Cor	npar	ıy:				1										
city: Hobbs	State: NM	Zip:	882	41		`	Attr	า:							- 1								1
Phone #: 575-3	397-6388 Fax # : 575	75-397-0397					Address:																- 1
Project #:	Project Owne	r: ()	NO	40)		City	<i>/</i> :	·			ŀ			Ī								ı
Project Name:	Perkins/Cotton Mo	of h	LJ	11 <	510	2	Stat	te:		Zip:												1	
Project Location:							Phone #:																
							Fax #:				J											1	
FOR LAB USE ONLY				!	MATRI	X	_	PRES	ERV	SAMPL	NG	6/	1										l
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMI	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	(hour)											
<u> </u>	SP8@ 2'	<u>G</u> 1			4			_/	4	9-12	8:30 am	/										 	
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17	5P5@.3'	6, 1				+		1/2	+	9-4-12		/	+							-			
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analyses, All claims, includin service. In no event shall Ca	d Damageo, Cardinal's Isioulity and client's exclusive remedy for ig those for negligance and any other cause whotsouver shall be ordinal be liable for incidental or consequental damages, includin ig out of or related to the performance of services hereunder by the Date:	deemed wa g without lim	ived un: itation, pardless	less ma busine of whe	ade in wri ss interru etner such	ing and itions, lo	receiv ass of	red by C usa, or	ardinal oss of p	within 30 days after rofits incurred by	er completion of th client, its subsidia	he applic rries, se,		Yes	רו	No	Addi	Phone	#•				

Relinquished By: Date: Received By:	Phone Result: Yes No Add'l Phone #:
Relinquished By: Date: Received By: Time:	Fax Result:
Delivered By: (Circle One) Sample Condition CHECKED BY: Cool Intact (Initials) Yes Yes No No No	

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#26