

August 28, 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 08/27/12 14:40.

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\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	08/27/2012	Sampling Date:	08/20/2012
Reported:	08/28/2012	Sampling Type:	Soil
Project Name:	PERKINS - COTTON MOUTH 4" SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 1 @ SURFACE (H202055-01)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10600	16.0	08/28/2012	ND	416	104	400	0.00		

**Sample ID: SP 1 @ 1.5' (H202055-02)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13000	16.0	08/28/2012	ND	416	104	400	0.00		

**Sample ID: SP 2 @ 1.5' (H202055-03)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9000	16.0	08/28/2012	ND	416	104	400	0.00		

**Sample ID: SP 3 @ SURFACE (H202055-04)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	08/28/2012	ND	416	104	400	0.00		

Cardinal Laboratories

\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	08/27/2012	Sampling Date:	08/20/2012
Reported:	08/28/2012	Sampling Type:	Soil
Project Name:	PERKINS - COTTON MOUTH 4" SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 3 @ 3' (H202055-05)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	08/28/2012	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 5' (H202055-06)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	08/28/2012	ND	416	104	400	0.00	

**Sample ID: SP 4 @ 1' (H202055-07)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	08/28/2012	ND	416	104	400	0.00	

**Sample ID: SP 5 @ SURFACE (H202055-08)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	08/28/2012	ND	416	104	400	0.00	

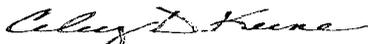
**Sample ID: SP 5 @ 2' (H202055-09)**

Chloride, SM4500CI-B	mg/kg	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	08/28/2012	ND	416	104	400	0.00	

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\*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (505) 397-0397

Received:	08/27/2012	Sampling Date:	08/20/2012
Reported:	08/28/2012	Sampling Type:	Soil
Project Name:	PERKINS - COTTON MOUTH 4" SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: SP 6 @ 1' (H202055-10)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15600	16.0	08/28/2012	ND	416	104	400	0.00		

**Sample ID: SP 7 @ SURFACE (H202055-11)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12200	16.0	08/28/2012	ND	416	104	400	0.00		

**Sample ID: SP 7 @ 1' (H202055-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	08/28/2012	ND	416	104	400	0.00		

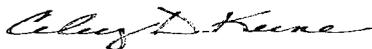
**Sample ID: SP 8 @ 1' (H202055-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	08/28/2012	ND	416	104	400	0.00		

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Caley 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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Celestine D. Keene, Lab Director/Quality Manager



# CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>												
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: <i>CCG</i>		City:														
Project Name: <i>Perkins - Cotton Mouth 4" SWD</i>		State: Zip:														
Project Location:		Phone #:														
Sampler Name: <i>Jeff Oumelas</i>		Fax #:														
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.			SAMPLING		<i>Concrete</i>		
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:		DATE	TIME
	<i>H202055</i>															
		<i>1 SP1 @ Surface</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>			<i>8-20-12</i>	<i>8:00 am</i>
		<i>2 SP1 @ 1.5'</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>			<i>8-20-12</i>	<i>8:24 am</i>
		<i>3 SP2 @ 1.5'</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>			<i>8-20-12</i>	<i>9:09 am</i>
		<i>4 SP3 @ Surface</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>			<i>8-20-12</i>	<i>9:15 am</i>
		<i>5 SP3 @ 3'</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>			<i>8-20-12</i>	<i>9:45 am</i>
		<i>6 SP3 @ 5'</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>			<i>8-20-12</i>	<i>10:22 am</i>
		<i>7 SP4 @ 1'</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>			<i>8-20-12</i>	<i>10:50 am</i>
		<i>8 SP5 @ Surface</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>		<i>8-20-12</i>	<i>10:55 am</i>	
		<i>9 SP5 @ 2'</i>	<i>G</i>	<i>1</i>			<i>/</i>					<i>/</i>		<i>8-20-12</i>	<i>11:05 am</i>	

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Relinquished By: <i>[Signature]</i>	Date: <i>8-27-12</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>8:00 am</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>[Signature]</i>	Date: <i>8-27-12</i>	Received By: <i>Joel Benson</i>	REMARKS: <i>RUSH</i>	
	Time: <i>2:40 pm</i>			
Delivered By: (Circle One)	Sample Condition	Checked By: (Initials)		
Sampler - UPS - Bus - Other:	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	<i>[Signature]</i>		
	Yes <input type="checkbox"/> No <input type="checkbox"/>			

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

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