

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 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 D. 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



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

Reporting Limit

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

10600

16.0 08/28/2012

Method Blank

BS 416 % Recovery

True Value QC 400 RPD

n

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyzed

v· HM

0.00

Qualifier .

Analyte Result

Result Reporting Limit

Analyzed

Method Blank

% Recovery

True Value QC

Qualifier

Chloride

Chloride

13000

16.0 08/28/2012

ND

416

104 400

RPD 0.00

Qualifier

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

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: HM

BS

% Recovery

True Value QC

Chloride

Result 9000

16.0

Reporting Limit

Analyzed 08/28/2012

Method Blank ND

416

104

ue Value Ç 400 RPD 0.00 Qualifier

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

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyte

Chloride

Result **4720**

Reporting Limit

16.0

Analyzed 08/28/2012

Method Blank

BS 416 % Recovery

104

True Value QC

400

RPD

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 7



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 | Analyze | d 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' (H2 | 202055-06) | | | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10900 | 16.0 | 08/28/2012 | ND | 416 | 104 | 400 | 0.00 | |
| Sample ID: SP 4 @ 1' (H2 | 202055-07) | | | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d 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 @ SURF | ACE (H202055 | -08) | | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d 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' (H2 | 202055-09) | | | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8400 | 16.0 | 08/28/2012 | ND | 416 | 104 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

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:

Chloride, SM4500CI-B

Chloride

Analyte

08/28/2012

Sampling Type:

BS

416

% Recovery

104

Soil

True Value QC

400

0.00

Qualifier

Project Name:

PERKINS - COTTON MOUTH 4" SWD

ma/ka

Reporting Limit

16.0

Result

12200

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, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
|------------------------|--------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | 8S | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 15600 | 16.0 | 08/28/2012 | ND | 416 | 104 | 400 | 0.00 | |
| Sample ID: SP 7 @ SURF | ACF (H202055 | -11) | | | | | | | |

Analyzed By: HM

Method Blank

ND

Analyzed

08/28/2012

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

| Chloride, SM4500CI-B | mg/ | ′kg | Analyze | d 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, SM4500CI-B | mg/ | /kg | Analyze | d 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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Celeg & 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 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 & Keine

Celey D. Keene, Lab Director/Quality Manager



Company Name: BBC International, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

| Company Name | : BBC International | l, Inc. | | | | | | 4 3 3 5 | | | 8// | 4470 | 語為結構 | | | | | ANA | LYSIS | RE | QUE | ST | | |
|--------------------------------|---|-----------------------------|----------|--------------------|-------------|---|---|------------------|----------|-------------|---------|---------------------|--------------------|----------------|---------------|--------------|--|---------|----------|----------|-----|------------|-------|-----|
| Project Manager: Cliff Brunson | | | | | | | | | .O. # | | | | | | | | | | | | | | | |
| Address: P.O. | Box 805 | | | | | *************************************** | *************************************** | C | omp | any | : | | | | | | |] | | | | | | |
| City: Hobbs | | State: NM | Zip: | : 88 | 3241 | | | At | ttn: | | | | | | | | | | | | | | | . |
| Phone #: 575- | 397-6388 | Fax #: 575- | 397 | ′-03 | 97 | | | A | ddre | ss: | | | | | | | | | | | | | | |
| Project #: | Project Owner: (CC) | | | | | | | Ci | ity: | | | | | | | | | | | | | | | |
| Project Name: | ^ _ | often me | | | | 50 | .1/ |) St | tate: | | | Zip: | | | | | | | | } | | | - 1 | |
| Project Location | - | | | | | | | | hone | e #: | | | | | | | | | | | | | | . ! |
| Sampler Name: | Och Oam | cles | | | | | | Fa | ax #: | : | | | | | | | |] | | | | | | |
| FOR LAB USE ONLY | J VV | | | Π | | TAM | RIX | | PR | ESE | RV. | SAMPLI | NG | | | | | 1 | | | | | | |
| | | | (C)OMP | ,,, | <u>r</u> | | | | | -/- | | | | 100 | | | | 1 | | | | | | |
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| Lab I.D. | Sample I.I | ^ن . ا | B OR | TAIL | NCV EWA | | | R :: | 3ASE | 8 | œ | | | 17 | | | | | ! | | | | | |
| H202055 | | | (G)RAB | CONTAINERS | GROUNDWATER | SOIL | اپ | SLUDGE OTHER: | SID/E | 10/1 | 里 | DATE | TIME | | | | |] | } | | | | } | |
| 11402000 | 9010 Such | | <u> </u> | <u>#</u> _ | <u> </u> | Š | 0 | <u>n</u> 0 | ğ | 일 | 0 | 8-20-12 | | _ | | - | | ┼ | | | | | | |
| 3 | SP1@ Surfa SP1@ 1.5' SP2@ 1.5' | <u> </u> | G. | - - - | | 1 | - | | - | | | 8.20.12 | | | | | ļ | · | | | | | | |
| 2 | 5026 15' | | 12. | | - | 勂 | | - | - | | | 82012 | | | | | <u> </u> | 1 | | ļ | | | | |
| Li Li | SP30 Surfa | , ,3 | <u> </u> | 1 | - | 17 | | | | | | 8-20-12 | | | | | | | | | | | | |
| 3 | SP2 02 3' | | G | 7 | 1 | | | 1 | | 1 | | 82012 | | 200 | | | | | | | | | | |
| (0 | 5P3 @ 5' | | Ca | 1 | | | | | | <i>γ</i> 2. | | 870-12 | 101220 | | | | | | | | | | | |
| 77 | 5840 1 | | G | 1 | | 1 | | | | - | | 8-20-12 | 10:509. | ./ | | | | , | | | | | | ļ |
| G | SPSQ Surfa | (e | (1 | 1 | | 1 | | | _ | | | 8-20-12 | 101550 | | | | | | | | | | | |
| 9 | 3P5@ 2'. | | C, | 1 | | | .]. | . | | 2 | | 8-20-12 | 11: 5.504 | 1 | | | 1 | | | | | , | | |
| OF EASE MOTE: Limiture | nd Darnages, Cardinal's liability and clier | alla shighia ramadu fat ne | انقاء :: | L | - who the | 10284 | in con | wast or t | 21 800 | all ha tie | eitad : | to the amount pai | the the chant for | 100 | | | | <u></u> | <u> </u> | <u> </u> | | | | |
| analyses. All claims, includi | ing damages, coronars having that caer ing those for negligence and any other ca terdinal be liable for incidental or consequ | ause whatsoever shall be do | aamed | i waived | untess n | made in | writing | g and rec | ceived b | by Card | tinal v | vithin 30 days afte | r completion of th | ne applicat | htg | | | | | | | | | |
| alliliates or successors aris | ing out of ar related to the performance o | of services hereunder by Ca | rdinal, | . regardi | | hether s | | | | | | | | ю. | □Ye | e n | No | Add'l | Phone | #• | | | | |
| Relinquished B | 1 | Date: 5.27 12 | No. | CRIA | ։ս օ չ | .6 | ` | _ | | | | | Fax Resul | t: | ☐ Ye | | No | | Fax #: | # | | | · | ~ |
| 176 | | Time: | | | <u>}</u> | · | 1 | <u> </u> | 1 | | | | REMARKS | | | | a 1 | | | | | | | |
| Relinquished B | y: / | Date: | | | ed By | į: | | 4 | | | | | ! | \bigcirc | 1] | 5 7 | H | | | | | | | |
| | 1 6 | Time: 400 | | Di | AL | , ر | . Il | 1e | M | Δl | 91 | / |) | < $ $ | \mathcal{A} | Si | | | | | | | | |
| Delivered By | : (Gircle One) | 1 4.6 | Ž | | | | | dition | | СНІ | ECK | ED BY: | 1 | ` | | | | | | | | | | |
| Sampler - UPS | - Bus - Other: | | 1 | 10 | , ç | ol/1 Yes No | Intac | Yes | | ť | (init | ials) | | | | | | | | | | | | |

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name | BBC International, Inc. | | | | | | T | | | B | LL TO | 建 型(1.64) | į į | | | | ANA | LYSIS | S RE | QUE | ST | | | |
|---|--|------------------|--------------|-------------|------------------------|------|--------|--------|------------|---------|----------|------------------|-----------|-----------|---|------|-----|----------|------|-----|----|---|---------------------|--|
| *************************************** | r: Cliff Brunson | | | | | | | |). #: | | | | Г | | | | | | | | | | | |
| Address: P.O. | Box 805 | | | | | | | Cor | mpar | ıy: | · | * | 1 | | 1 | | 1 | | | | | | 1 | |
| City: Hobbs | State: NM | Zip | : 8 | 324 | 1 | | | Attı | n: | | | | 1 | | | | | 1 | | | | i | | |
| Phone #: 575-3 | 397-6388 Fax #: 575 | -39 | 7-03 | 97 | | | | Add | dress | 5: | | | | | | | | | | | | | | |
| Project #: | Project Owner | : , | CE |)C | | | | City | y: | | | | | | | | | | | | | | | |
| Project Name: / | Perkins - Cotton Mouth | i_ 4; | " | SL | 3/ |) | | Sta | te: | | Zip: | | | | | | | 1 | | | | - 1 | | |
| Project Location | | | | | | | | Pho | one # | ŧ: | | | | | | | | ŀ | | | | | | |
| Sampler Name: | Jeff Cineles | | | | | | | Fax | (#: | | | | | İ | | | | | | | | | | |
| FOR LAB USE ONLY | | | П | | MA | TRIX | (| | PRES | ERV | . SAMP | LING | - | 9 | | | ļ | | | | | | | |
| Lab I.D. <u>₩202055</u> | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WAS I EWA I ER SOIL | Oil | SLUDGE | OTHER: | ACID/BASE: | OTHER: | DATE | TIME | | (.h.lored | | | | | | | | : | | |
| 10 | 3P6 @ .1' | G | 1 | | ./ | | | | | 4 | 8-20-12 | 11:179 | , · | | | | | | | | | | | |
| 4} | SPLOC. | G | 1 | | | | | | | /_ | 8-20-12 | 11:29 00 | <u>,</u> | _ | | | | | | | | *************************************** | | |
| 1.6 | SP7 (8_) | C7_ | 1 | _ _ | 12 | 1_ | | | | 4. | 8 20-12 | 117409. | <u>.,</u> | 4 | | | | | | | | | | |
| 13 | SP8 @ /' | ſ'n. | 1 | | 1 | - | | | | | 8 20-12 | 12:000 | | 4- | | | | | ļ | | | | 100 managamenta e 1 | |
| | | | | | | - | | | | | ! | | - | _ _ | | | | | | | | | | |
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| | | ' | ŀ | | | † | | j | | . - | | | 1 | 1 | ŀ | | | ļ. | | | | | | |
| | id Dannages. Cardinal's liability and client's exclusive remedy for a ng thosa for negligence and any other cause whatsoever shall be | | | | | | | | | | | | | licable | | | 1 | | | | | | | |

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

| Relinguished By: | Date: | Received By: | Phone Result: | ☐ Yes | □ No | !Add'l Phone #: |
|------------------------------|---------------|--------------------------------|---------------|-------|-------|-----------------|
| manufacture of the second | -8.17.12 | | Fax Result: | ☐ Yes | □ No | Add'l Fax #: |
| | Time: | | REMARKS: | | | |
| 6.1 | 1 X (00 40) | | | | 1 4 | İ |
| Relinquished By: | Date: 8.20.12 | Received By: | \cap | /) . | c H | |
| | Time: | - MOCHA AVANADOR | 1 | 11. |) / " | |
| | 1 2:4000 | all delice | <u> </u> | | • • | |
| Delivered By: (Circle One) | 4 | Sample Condition CHECKED BY: | 1 \ | | | |
| | | Cool Intact (Initials) | | | | |
| Sampler - UPS - Bus - Other: | | Yes Yes | ł | | | |
| | | V / / NO NO V | | | | |

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