

Closure Report

Site Description

| | |
|--------------------|--------------------------------------|
| Site Name: | GJ West Coop Unit North Tank Battery |
| Company: | COG Operating LLC |
| Legal Description: | U/L G, Section 21, T17S, R29E |
| County: | Eddy County, NM |
| GPS Coordinates: | N 32.82109° W 104.07641° |

Release Data

| | |
|--------------------|-----------------------------------|
| Date of Release: | 02/24/2016 |
| Type of Release: | Oil and produced water |
| Source of Release: | Flow line |
| Volume of Release: | 2 bbls oil, 3 bbls produced water |
| Volume Recovered: | 2 bbls oil, 1 bbl produced water |

Remediation Specifications

| | |
|-------------------------|---|
| Remediation Parameters: | Excavate by hand the areas of SP1, SP2, and SP3 to remove as much material as practicable. In the area of SP4, excavate to a depth of 4 ft and in the area of SP5, excavate to a depth of 3 ft. Then place an impermeable liner in the excavation areas of both SP4 & SP5. Backfill the site with clean soil. |
| Remediation Activities: | 08/15/2016 to 08/23/2016 |

| | | |
|-----------------------|------------|---|
| Plan Sent to OCD: | 07/11/2016 | Email from Cliff Brunson to Mike Bratcher |
| OCD Approval of Plan: | 07/22/2016 | Email from Mike Bratcher to Cliff Brunson |
| Plan Sent to SLO: | 07/11/2016 | Email from Cliff Brunson to Amber Groves |
| SLO Approval of Plan: | 08/01/2016 | Email from Amber Groves to Cliff Brunson |

Supporting Documentation

| | |
|------------------|--|
| Initial C-141 | Signed 03/08/2016 |
| Final C-141 | Signed 08/25/2016 |
| Site Diagram | March 2016 |
| Groundwater Plot | 75'-100' |
| TOPO Maps | March 2016 |
| Lab Summary | 05/31/2016-06/03/2016 |
| Lab Analysis | 05/31/2016-06/03/2016 |
| Correspondence | Request and approval of remediation plan via email |

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

08/30/2016

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

| | |
|---|----------------------------|
| Name of Company: COG Operating LLC | Contact: Robert McNeill |
| Address: 600 West Illinois Avenue, Midland TX 79701 | Telephone No. 432-230-0077 |
| Facility Name: GJ West Coop Unit North Tank Battery | Facility Type: Battery |

| | | |
|----------------------|----------------|------------|
| Surface Owner: State | Mineral Owner: | API No. NA |
|----------------------|----------------|------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| G | 21 | 17S | 29E | | | | | Eddy |

Latitude 32.82109 Longitude -104.07641

NATURE OF RELEASE

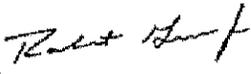
| | | |
|--|--|---|
| Type of Release: Oil & Produced Water | Volume of Release: 2 bbls Oil ; 3 bbls PW | Volume Recovered: 2 bbls Oil ; 1 bbls PW |
| Source of Release: Flowline | Date and Hour of Occurrence: 2/24/2016 12:00 pm | Date and Hour of Discovery: 2/24/2016 12:00 pm |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour: | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
This release was caused by a corroded steel flowline. A vacuum truck was dispatched to recover standing fluid.

Describe Area Affected and Cleanup Action Taken.*
This release occurred along the west fence line of the battery. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--|---------------------------------------|------------------|
| Signature:  | OIL CONSERVATION DIVISION | |
| | Approved by Environmental Specialist: | |
| Printed Name: Robert Grubbs | Approval Date: | Expiration Date: |
| Title: Senior Environmental Coordinator | Conditions of Approval: | |
| E-mail Address: rgrubbs@concho.com | Attached <input type="checkbox"/> | |
| Date: March 8, 2016 Phone: 432-230-0077 | | |

* Attach Additional Sheets If Necessary .

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

| | |
|--|----------------------------|
| Name of Company: COG Operating LLC | Contact: Robert McNeill |
| Address: 600 West Illinois Avenue, Midland, TX 79701 | Telephone No. 432-230-0077 |
| Facility Name: GJ West Coop Unit North Tank Battery | Facility Type: Battery |

| | | |
|----------------------|----------------|-------------|
| Surface Owner: State | Mineral Owner: | API No. N/A |
|----------------------|----------------|-------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|-----------------|
| G | 21 | 17S | 29E | | | | | Eddy County, NM |

Latitude N 32.82109° Longitude W 104.07641°

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release: Oil and produced water | Volume of Release: 2 bbls oil, 3 bbls produced water | Volume Recovered: 2 bbls oil, 1 bbl produced water |
| Source of Release: Flowline | Date and Hour of Occurrence 02/24/2016 @ 12:00 pm | Date and Hour of Discovery 02/24/2016 @ 12:00 pm |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour: | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

This release was caused by a corroded steel flow line. A vacuum truck was dispatched to recover standing fluid.

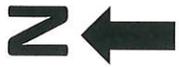
Describe Area Affected and Cleanup Action Taken.*

This release occurred along the west fence line of the battery. The site was delineated and a remediation plan was sent to NMOCD and the SLO. The remediation plan was approved by Mike Bratcher of NMOCD via email on 07/22/2016 and approved by Amber Groves of the SLO via email on 08/01/2016. Remediation was completed in accordance with the approved plan.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

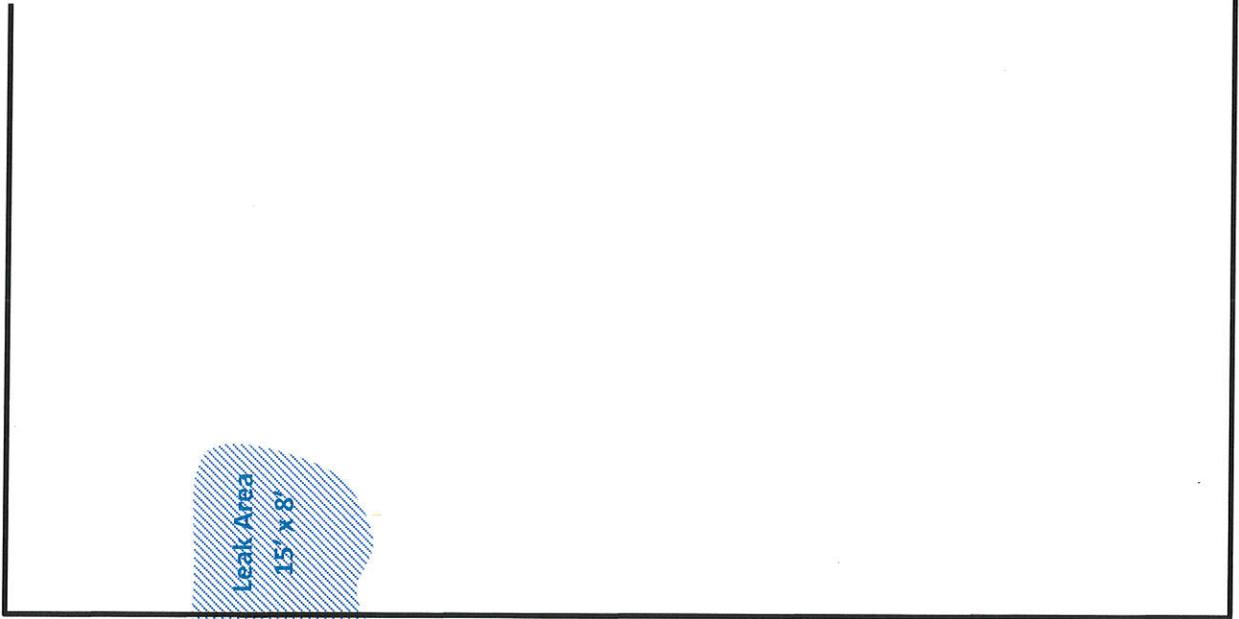
| | | |
|--|---|------------------|
| Signature:  | <u>OIL CONSERVATION DIVISION</u> | |
| Printed Name: Robert Grubbs | Approved by Environmental Specialist: | |
| Title: Senior Environmental Coordinator | Approval Date: | Expiration Date: |
| E-mail Address: rgrubbs@concho.com | Conditions of Approval: | |
| Date: August 25, 2016 Phone: (432) 683-7443 | Attached <input type="checkbox"/> | |

* Attach Additional Sheets If Necessary



Concho

GJ West Coop Unit N TB (2/24/16)



SP1

Leak Area
25' x 20'

Leak Area
15' x 8'

SP2

SP3

Stake
Leak Area
17' x 25'

SP4

Leak Area
8' x 175'

SP5

U/L G, Section 21, T17S, R29E

Eddy County, NM

N 32.82088° W 104.07718°

BBC International, Inc.

Concho

GJ West Coop Unit N TB

Date: 06/02/2016 DRWG by: K. Purvis

NOT TO SCALE File: COG 2016



Groundwater Plot

Concho GJ West Coop Unit North TB

County
Eddy

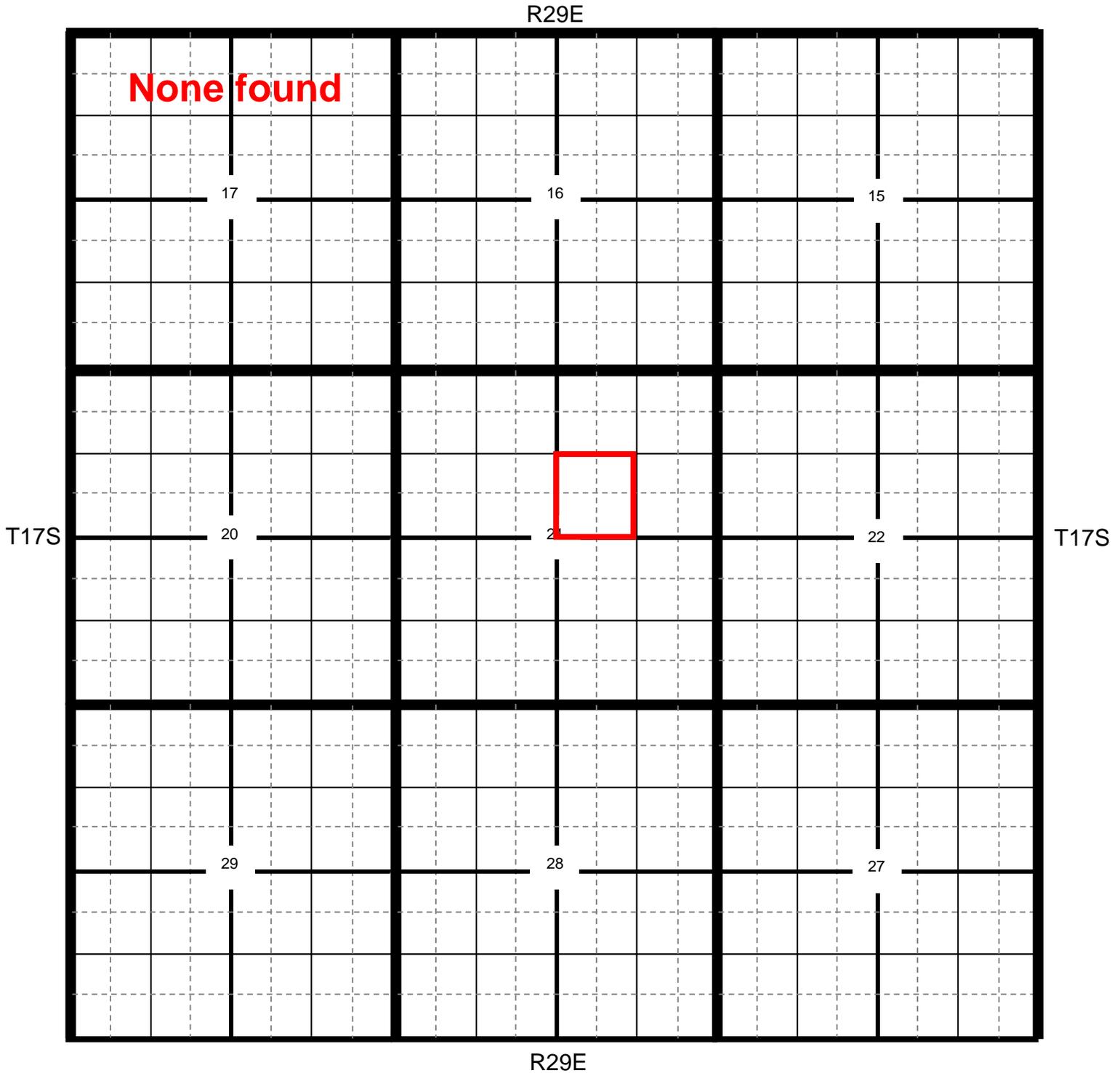
Unit Letter
G

Section
21

Township
17S

Range
29E

Trend Map 75'-100'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Concho GJ West Coop Unit North TB

| | | | | |
|-----------------------|-------------------------|----------------------|------------------------|---------------------|
| County Eddy | Unit Letter G | Section 21 | Township 17S | Range 29E |
|-----------------------|-------------------------|----------------------|------------------------|---------------------|

Trend Map 75'-100'

1

2

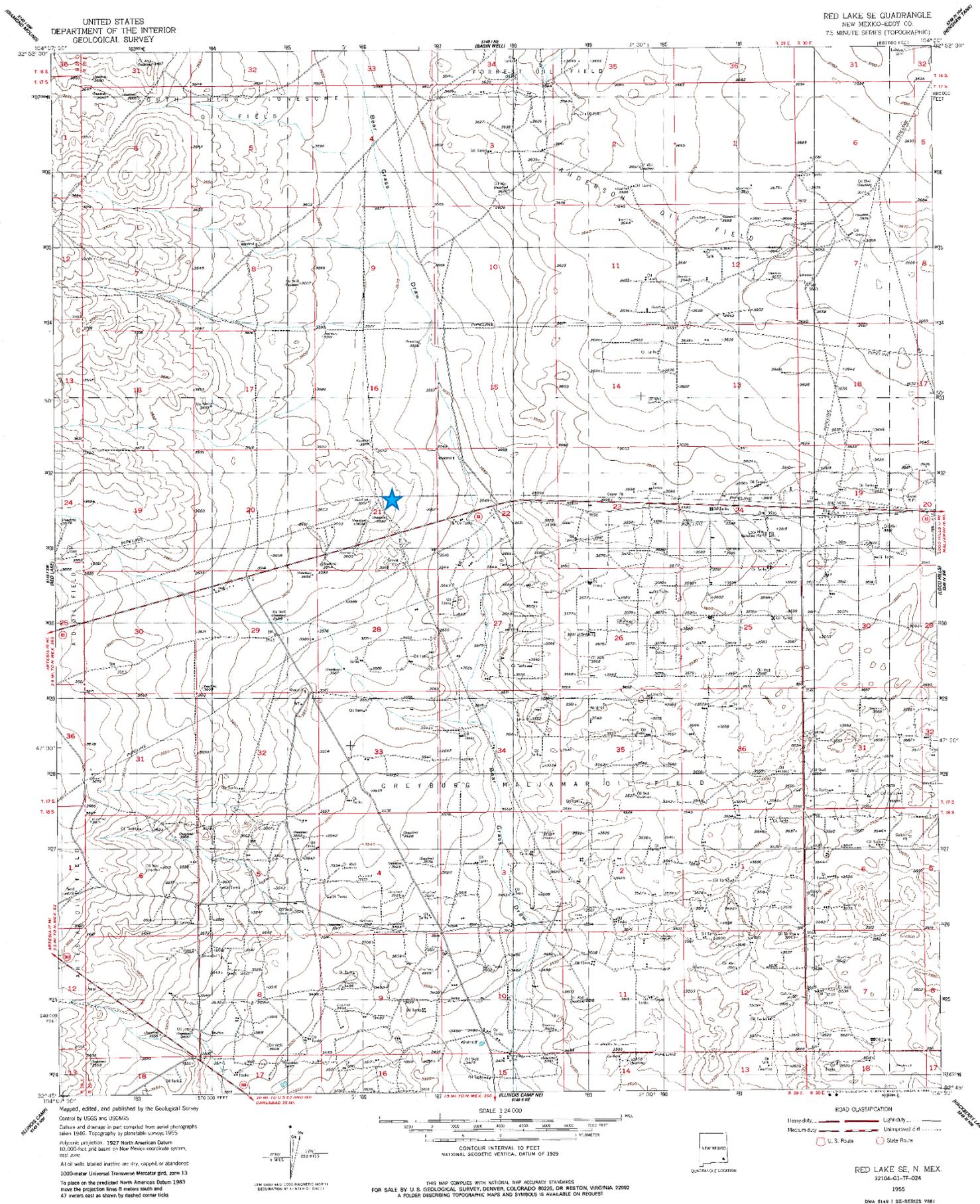
| | | | |
|----------------------------|---------------|---------------|---------------|
| NW/NW None found | NE/NW | NW/NE | NE/NE |
| Unit Letter D | Unit Letter C | Unit Letter B | Unit Letter A |
| SW/NW | SE/NW | SW/NE | SE/NE |
| Unit Letter E | Unit Letter F | Unit Letter G | Unit Letter H |
| NW/SW | NE/SW | NW/SE | NE/SE |
| Unit Letter L | Unit Letter K | Unit Letter J | Unit Letter I |
| SW/SW | SE/SW | SW/SE | SE/SE |
| Unit Letter M | Unit Letter N | Unit Letter O | Unit Letter P |

3

4

Concho

GJ West Coop Unit N TB



Laboratory Analytical Results Summary
GJ West Coop Unit N TB

| | | Sample | SP1 @ 1' | SP1 @ 3' | SP1 @ 6' | SP1 @ 8' |
|---------------|------------|--------|----------|----------|----------|----------|
| Analyte | Method | Date | 5/31/16 | 5/31/16 | 5/31/16 | 5/31/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | n/a |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | 0.082 | <0.050 | <0.050 | n/a |
| Total Xylenes | BTEX 8021B | | 0.249 | <0.150 | <0.150 | n/a |
| Total BTEX | BTEX 8021B | | 0.331 | <0.300 | <0.300 | n/a |
| Chloride | SM4500Cl-B | | 10800 | 11600 | 11200 | 12000 |
| GRO | TPH 8015M | | <50.0 | <50.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 157 | 143 | 39.9 | <10.0 |

| | | Sample | SP5 @ 1' | SP5 @ 2' | SP5 @ 3' | SP5 @ 4' | SP5 @ 5' |
|---------------|------------|--------|----------|----------|----------|----------|----------|
| Analyte | Method | Date | 6/1/16 | 6/3/16 | 6/3/16 | 6/3/16 | 6/3/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <1.00 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 1.12 | 7.45 | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | 17.3 | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 34.4 | 31.5 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 35.5 | 56.2 | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 2400 | 96 | 80 | 3040 | 1440 |
| GRO | TPH 8015M | | 1090 | 1610 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 4990 | 6180 | 157 | <10.0 | <10.0 |

| | | Sample | SP2 @ 1' | SP2 @ 3' | SP2 @ 6' |
|---------------|------------|--------|----------|----------|----------|
| Analyte | Method | Date | 5/31/16 | 5/31/16 | 5/31/16 |
| | | | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | n/a |
| Toluene | BTEX 8021B | | 0.109 | <0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | 0.137 | 0.064 | n/a |
| Total Xylenes | BTEX 8021B | | 0.563 | 0.241 | n/a |
| Total BTEX | BTEX 8021B | | 0.809 | 0.304 | n/a |
| Chloride | SM4500Cl-B | | 12800 | 11100 | 9200 |
| GRO | TPH 8015M | | <50.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <50.0 | 114 | <10.0 |

| | | Sample | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' | SP3 @ 4' | SP3 @ 5' |
|---------------|------------|--------|----------|----------|----------|----------|----------|
| Analyte | Method | Date | 6/1/16 | 6/3/16 | 6/3/16 | 6/3/16 | 6/3/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <1.00 | <0.050 | <0.050 | <0.050 | n/a |
| Toluene | BTEX 8021B | | <1.00 | <0.050 | <0.050 | <0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | <1.00 | <0.050 | <0.050 | <0.050 | n/a |
| Total Xylenes | BTEX 8021B | | 30.3 | <0.150 | <0.150 | <0.150 | n/a |
| Total BTEX | BTEX 8021B | | 30.3 | <0.300 | <0.300 | <0.300 | n/a |
| Chloride | SM4500Cl-B | | 2960 | 784 | 2600 | 3320 | 2360 |
| GRO | TPH 8015M | | 1350 | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 7420 | 159 | <10.0 | <10.0 | <10.0 |

| | | Sample | SP4 @ 1' | SP4 @ 2' | SP4 @ 3' | SP4 @ 4' | SP4 @ 5' |
|---------------|------------|--------|----------|----------|----------|----------|----------|
| Analyte | Method | Date | 6/1/16 | 6/3/16 | 6/3/16 | 6/3/16 | 6/3/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <1.00 | <0.050 | <0.050 | <0.050 | n/a |
| Toluene | BTEX 8021B | | <1.00 | <0.050 | <0.050 | <0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | <1.00 | <0.050 | <0.050 | <0.050 | n/a |
| Total Xylenes | BTEX 8021B | | 28.7 | <0.150 | <0.150 | <0.150 | n/a |
| Total BTEX | BTEX 8021B | | 28.7 | <0.300 | <0.300 | <0.300 | n/a |
| Chloride | SM4500Cl-B | | 3040 | 800 | 2880 | 3320 | 1920 |
| GRO | TPH 8015M | | 1440 | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 7510 | 126 | <10.0 | <10.0 | <10.0 |

June 13, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GJ WEST COOP NTB

Enclosed are the results of analyses for samples received by the laboratory on 06/06/16 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|------------------|---------------------|---------------|
| Received: | 06/06/2016 | Sampling Date: | 05/31/2016 |
| Reported: | 06/13/2016 | Sampling Type: | Soil |
| Project Name: | GJ WEST COOP NTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NONE GIVEN | | |

Sample ID: SP1 @ 1' (H601235-01)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | |
| Ethylbenzene* | 0.082 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | |
| Total Xylenes* | 0.249 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | |
| Total BTEX | 0.331 | 0.300 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 101 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.5 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10800 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 06/08/2016 | ND | 173 | 86.5 | 200 | 3.83 | |
| DRO >C10-C28 | 157 | 50.0 | 06/08/2016 | ND | 183 | 91.3 | 200 | 4.76 | |

Surrogate: 1-Chlorooctane 76.4 % 35-147

Surrogate: 1-Chlorooctadecane 122 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 05/31/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP1 @ 3' (H601235-02)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | | |

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 98.9 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.4 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 11600 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <50.0 | 50.0 | 06/08/2016 | ND | 173 | 86.5 | 200 | 3.83 | | |
| DRO >C10-C28 | 143 | 50.0 | 06/08/2016 | ND | 183 | 91.3 | 200 | 4.76 | | |

Surrogate: 1-Chlorooctane 76.7 % 35-147

Surrogate: 1-Chlorooctadecane 121 % 28-171

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 05/31/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP1 @ 6' (H601235-03)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | | |
|-------------------|--------|-----------------|------------|------------------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | | |

Surrogate: Dibromofluoromethane 105 % 90.4-111

Surrogate: Toluene-d8 96.4 % 85.3-114

Surrogate: 4-Bromofluorobenzene 97.7 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|-----------------------------|--------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 11200 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | |
|------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 173 | 86.5 | 200 | 3.83 | | |
| DRO >C10-C28 | 39.9 | 10.0 | 06/08/2016 | ND | 183 | 91.3 | 200 | 4.76 | | |

Surrogate: 1-Chlorooctane 78.7 % 35-147

Surrogate: 1-Chlorooctadecane 97.0 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|------------------|---------------------|---------------|
| Received: | 06/06/2016 | Sampling Date: | 05/31/2016 |
| Reported: | 06/13/2016 | Sampling Type: | Soil |
| Project Name: | GJ WEST COOP NTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NONE GIVEN | | |

Sample ID: SP1 @ 8' (H601235-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12000 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 05/31/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP2 @ 1' (H601235-05)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|--------------|-----------------|------------|------------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | |
| Toluene* | 0.109 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | |
| Ethylbenzene* | 0.137 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | |
| Total Xylenes* | 0.563 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | |
| Total BTEX | 0.809 | 0.300 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 103 % 90.4-111

Surrogate: Toluene-d8 102 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.1 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-----------------------------|--------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12800 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|------------------|--------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <50.0 | 50.0 | 06/08/2016 | ND | 173 | 86.5 | 200 | 3.83 | |
| DRO >C10-C28 | <50.0 | 50.0 | 06/08/2016 | ND | 183 | 91.3 | 200 | 4.76 | |

Surrogate: 1-Chlorooctane 66.4 % 35-147

Surrogate: 1-Chlorooctadecane 93.4 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 05/31/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP2 @ 3' (H601235-06)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | |
| Ethylbenzene* | 0.064 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | |
| Total Xylenes* | 0.241 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | |
| Total BTEX | 0.304 | 0.300 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 103 % 90.4-111

Surrogate: Toluene-d8 99.8 % 85.3-114

Surrogate: 4-Bromofluorobenzene 100 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 11100 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | |
| DRO >C10-C28 | 114 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | QM-07 |

Surrogate: 1-Chlorooctane 95.5 % 35-147

Surrogate: 1-Chlorooctadecane 85.3 % 28-171

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

| | | | |
|-------------------|------------------|---------------------|---------------|
| Received: | 06/06/2016 | Sampling Date: | 05/31/2016 |
| Reported: | 06/13/2016 | Sampling Type: | Soil |
| Project Name: | GJ WEST COOP NTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NONE GIVEN | | |

Sample ID: SP2 @ 6' (H601235-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9200 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

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 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/01/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 1' (H601235-08)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|-------------|-----------------|------------|------------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <1.00 | 1.00 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | |
| Toluene* | <1.00 | 1.00 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | |
| Ethylbenzene* | <1.00 | 1.00 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | |
| Total Xylenes* | 30.3 | 3.00 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | |
| Total BTEX | 30.3 | 6.00 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 105 % 90.4-111

Surrogate: Toluene-d8 97.7 % 85.3-114

Surrogate: 4-Bromofluorobenzene 108 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-----------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2960 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | S-06 |
|------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|-------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 1350 | 200 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | | |
| DRO >C10-C28 | 7420 | 200 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | | |

Surrogate: 1-Chlorooctane 225 % 35-147

Surrogate: 1-Chlorooctadecane 190 % 28-171

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 2' (H601235-09)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | | |

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 96.2 % 85.3-114

Surrogate: 4-Bromofluorobenzene 103 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 784 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | |
|------------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | | |
| DRO >C10-C28 | 159 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | | |

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 3' (H601235-10)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | | |

Surrogate: Dibromofluoromethane 103 % 90.4-111

Surrogate: Toluene-d8 99.1 % 85.3-114

Surrogate: 4-Bromofluorobenzene 99.4 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2600 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | | |

Surrogate: 1-Chlorooctane 88.4 % 35-147

Surrogate: 1-Chlorooctadecane 82.7 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 4' (H601235-11)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | | |

Surrogate: Dibromofluoromethane 102 % 90.4-111

Surrogate: Toluene-d8 97.5 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.8 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3320 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | | |

Surrogate: 1-Chlorooctane 88.3 % 35-147

Surrogate: 1-Chlorooctadecane 87.6 % 28-171

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 Hobbs NM, 88241
 Fax To: (575) 397-0397

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP3 @ 5' (H601235-12)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2360 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/01/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 1' (H601235-13)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <1.00 | 1.00 | 06/09/2016 | ND | 2.03 | 101 | 2.00 | 2.70 | | |
| Toluene* | <1.00 | 1.00 | 06/09/2016 | ND | 2.14 | 107 | 2.00 | 3.42 | | |
| Ethylbenzene* | <1.00 | 1.00 | 06/09/2016 | ND | 2.12 | 106 | 2.00 | 4.37 | | |
| Total Xylenes* | 28.7 | 3.00 | 06/09/2016 | ND | 7.12 | 119 | 6.00 | 2.75 | | |
| Total BTEX | 28.7 | 6.00 | 06/09/2016 | ND | | | | | | |

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 96.6 % 85.3-114

Surrogate: 4-Bromofluorobenzene 108 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3040 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | | S-06 |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | |
| GRO C6-C10 | 1440 | 200 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | | | |
| DRO >C10-C28 | 7510 | 200 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | | | |

Surrogate: 1-Chlorooctane 225 % 35-147

Surrogate: 1-Chlorooctadecane 209 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 2' (H601235-14)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-------------------|--------|-----------------|------------|------------------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 1.91 | 95.3 | 2.00 | 0.0315 | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.01 | 100 | 2.00 | 1.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 1.97 | 98.3 | 2.00 | 0.00101 | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 6.55 | 109 | 6.00 | 0.681 | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 103 % 90.4-111

Surrogate: Toluene-d8 98.1 % 85.3-114

Surrogate: 4-Bromofluorobenzene 103 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-----------------------------|------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|------------------------|------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | |
| DRO >C10-C28 | 126 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | |

Surrogate: 1-Chlorooctane 99.3 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 3' (H601235-15)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 1.91 | 95.3 | 2.00 | 0.0315 | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.01 | 100 | 2.00 | 1.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 1.97 | 98.3 | 2.00 | 0.00101 | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 6.55 | 109 | 6.00 | 0.681 | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 103 % 90.4-111

Surrogate: Toluene-d8 97.6 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.7 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2880 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | |

Surrogate: 1-Chlorooctane 85.0 % 35-147

Surrogate: 1-Chlorooctadecane 80.4 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 4' (H601235-16)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/09/2016 | ND | 1.91 | 95.3 | 2.00 | 0.0315 | |
| Toluene* | <0.050 | 0.050 | 06/09/2016 | ND | 2.01 | 100 | 2.00 | 1.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/09/2016 | ND | 1.97 | 98.3 | 2.00 | 0.00101 | |
| Total Xylenes* | <0.150 | 0.150 | 06/09/2016 | ND | 6.55 | 109 | 6.00 | 0.681 | |
| Total BTEX | <0.300 | 0.300 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 97.9 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.3 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3320 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | |

Surrogate: 1-Chlorooctane 83.8 % 35-147

Surrogate: 1-Chlorooctadecane 82.3 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP4 @ 5' (H601235-17)
Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | 1920 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/01/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP5 @ 1' (H601235-18)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|-------------|-----------------|------------|------------------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 06/09/2016 | ND | 1.91 | 95.3 | 2.00 | 0.0315 | |
| Toluene* | 1.12 | 0.500 | 06/09/2016 | ND | 2.01 | 100 | 2.00 | 1.18 | |
| Ethylbenzene* | <0.500 | 0.500 | 06/09/2016 | ND | 1.97 | 98.3 | 2.00 | 0.00101 | |
| Total Xylenes* | 34.4 | 1.50 | 06/09/2016 | ND | 6.55 | 109 | 6.00 | 0.681 | |
| Total BTEX | 35.5 | 3.00 | 06/09/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 106 % 90.4-111

Surrogate: Toluene-d8 102 % 85.3-114

Surrogate: 4-Bromofluorobenzene 126 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-----------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2400 | 16.0 | 06/08/2016 | ND | 384 | 96.0 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | S-06 |
|------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|-------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 1090 | 200 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | | |
| DRO >C10-C28 | 4990 | 200 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | | |

Surrogate: 1-Chlorooctane 170 % 35-147

Surrogate: 1-Chlorooctadecane 122 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP5 @ 2' (H601235-19)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|-------------|-----------------|------------|------------------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <1.00 | 1.00 | 06/10/2016 | ND | 1.91 | 95.3 | 2.00 | 0.0315 | |
| Toluene* | 7.45 | 1.00 | 06/10/2016 | ND | 2.01 | 100 | 2.00 | 1.18 | |
| Ethylbenzene* | 17.3 | 1.00 | 06/10/2016 | ND | 1.97 | 98.3 | 2.00 | 0.00101 | |
| Total Xylenes* | 31.5 | 3.00 | 06/10/2016 | ND | 6.55 | 109 | 6.00 | 0.681 | |
| Total BTEX | 56.2 | 6.00 | 06/10/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 107 % 90.4-111

Surrogate: Toluene-d8 99.9 % 85.3-114

Surrogate: 4-Bromofluorobenzene 113 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-----------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 06/08/2016 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | | S-06 |
|------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|-------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 1610 | 200 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | | |
| DRO >C10-C28 | 6180 | 200 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | | |

Surrogate: 1-Chlorooctane 230 % 35-147

Surrogate: 1-Chlorooctadecane 151 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP5 @ 3' (H601235-20)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|-------------------|--------|-----------------|------------|------------------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/10/2016 | ND | 1.91 | 95.3 | 2.00 | 0.0315 | |
| Toluene* | <0.050 | 0.050 | 06/10/2016 | ND | 2.01 | 100 | 2.00 | 1.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/10/2016 | ND | 1.97 | 98.3 | 2.00 | 0.00101 | |
| Total Xylenes* | <0.150 | 0.150 | 06/10/2016 | ND | 6.55 | 109 | 6.00 | 0.681 | |
| Total BTEX | <0.300 | 0.300 | 06/10/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 105 % 90.4-111

Surrogate: Toluene-d8 95.0 % 85.3-114

Surrogate: 4-Bromofluorobenzene 101 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|-----------------------------|-------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/08/2016 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|------------------------|------------|-----------------|------------|------------------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | |
| DRO >C10-C28 | 157 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | |

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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Analytical Results For:

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

 Received: 06/06/2016
 Reported: 06/13/2016
 Project Name: GJ WEST COOP NTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

 Sampling Date: 06/03/2016
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP5 @ 4' (H601235-21)

| BTEX 8260B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/10/2016 | ND | 1.91 | 95.3 | 2.00 | 0.0315 | |
| Toluene* | <0.050 | 0.050 | 06/10/2016 | ND | 2.01 | 100 | 2.00 | 1.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/10/2016 | ND | 1.97 | 98.3 | 2.00 | 0.00101 | |
| Total Xylenes* | <0.150 | 0.150 | 06/10/2016 | ND | 6.55 | 109 | 6.00 | 0.681 | |
| Total BTEX | <0.300 | 0.300 | 06/10/2016 | ND | | | | | |

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 97.8 % 85.3-114

Surrogate: 4-Bromofluorobenzene 103 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3040 | 16.0 | 06/08/2016 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: CK | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 06/08/2016 | ND | 206 | 103 | 200 | 1.60 | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/08/2016 | ND | 209 | 104 | 200 | 2.15 | |

Surrogate: 1-Chlorooctane 91.2 % 35-147

Surrogate: 1-Chlorooctadecane 89.2 % 28-171

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|------------------|---------------------|---------------|
| Received: | 06/06/2016 | Sampling Date: | 06/03/2016 |
| Reported: | 06/13/2016 | Sampling Type: | Soil |
| Project Name: | GJ WEST COOP NTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NONE GIVEN | | |

Sample ID: SP5 @ 5' (H601235-22)
Chloride, SM4500Cl-B
mg/kg
Analyzed By: AP

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | 1440 | 16.0 | 06/08/2016 | ND | 432 | 108 | 400 | 3.77 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|-------|---|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| BS1 | Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high. |
| 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 |



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

1913

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson

P.O. #: _____

Address: P.O. Box 805

City: Hobbs

State: NM Zip: 88241

Company: *COG*

Attn: _____

Phone #: 575-397-6388

Fax #: 575-397-0397

Address: _____

Project #: _____

Project Owner: *COG*

City: _____

Project Name: *GT WEST POOP NTR*

State: _____ Zip: _____

Project Location: _____

Phone #: _____

Sample Name: *Roger Hernandez*

Fax #: _____

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | TPH | BTEX | CL- |
|----------------|------------------|-------------------|--------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|-------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | |
| <i>H601235</i> | <i>SP10 1-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>5-31-16</i> | <i>1130</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>2 3-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>5-31-16</i> | <i>1200</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>3 6-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>5-31-16</i> | <i>1247</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>4 8-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>5-31-16</i> | <i>120</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>5 2e 1-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>5-31-16</i> | <i>158</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>6 3-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>5-31-16</i> | <i>230</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>7 6-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>5-31-16</i> | <i>330</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>8 SP30 1-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>6-1-16</i> | <i>1100</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>9 2-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>6-5-16</i> | <i>1010</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <i>10 3-</i> | <i>C 1</i> | <i>1</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>6-3-16</i> | <i>1020</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

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Relinquished By: _____ Date: *6-6-16* Received By: *[Signature]*

Time: *4:35*

Delivered By: (Circle One) *UPS* *3.80* Sample Condition: Cool Intact Yes No

Checked By: *[Signature]*

REMARKS: _____

Phone Result: Yes No Add'l Phone #: _____

Fax Result: Yes No Add'l Fax #: _____

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

#75



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

243

BILL TO

ANALYSIS REQUEST

| | | | |
|---------------------------------------|--|-------------------|--|
| Company Name: BBC International, Inc. | | P.O. #: | |
| Project Manager: Cliff Brunson | | Company: | |
| Address: P.O. Box 805 | | Attn: | |
| City: Hobbs | | Address: | |
| State: NM Zip: 88241 | | City: | |
| Phone #: 575-397-6388 | | State: | |
| Fax #: 575-397-0397 | | Zip: | |
| Project #: | | Project Owner: | |
| Project Name: | | Project Location: | |
| Sampler Name: | | Phone #: | |
| FOR LAB USE ONLY | | Fax #: | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | SAMPLING | DATE | TIME | TPH | BTEX | CL- |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|----------|-------|------|-----|------|-----|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | | |
| H001235 | SP304- | | | | | | | | | | 6-3-16 | 10:30 | | | | |
| | SP4e1- | | | | | | | | | | 6-3-16 | 10:40 | | | | |
| | SP4e1- | | | | | | | | | | 6-3-16 | 11:15 | | | | |
| | SP4e1- | | | | | | | | | | 6-3-16 | 11:00 | | | | |
| | SP4e1- | | | | | | | | | | 6-3-16 | 11:20 | | | | |
| | SP4e1- | | | | | | | | | | 6-3-16 | 11:30 | | | | |
| | SP5e1- | | | | | | | | | | 6-3-16 | 11:40 | | | | |
| | SP5e1- | | | | | | | | | | 6-3-16 | 11:50 | | | | |

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Relinquished By: *[Signature]* Date: 6-6-16 Time: 4:35
 Received By: *[Signature]* Date: 6-3-16 Time: 11:50

Delivered By: *[Signature]* (Circle One)
 Sampler - UPS - Bus - Other: *[Signature]*

Sample Condition: Cool Intact
 Yes No

CHECKED BY: *[Signature]* (Matrix)

REMARKS: *[Blank]*

Phone Result: Yes No Add'l Phone #: *[Blank]*
 Fax Result: Yes No Add'l Fax #: *[Blank]*

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

#75



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 3

BILL TO

ANALYSIS REQUEST

| | | | | | |
|---------------------------------------|--|-------------------|--|-------------|--|
| Company Name: BBC International, Inc. | | P.O. #: | | | |
| Project Manager: Cliff Brunson | | Company: C.O.G. | | | |
| Address: P.O. Box 805 | | Attn: | | | |
| City: Hobbs | | Address: | | | |
| State: NM Zip: 88241 | | Phone #: | | | |
| Phone #: 575-397-6388 | | Fax #: | | | |
| Fax #: 575-397-0397 | | City: | | | |
| Project #: | | State: | | | |
| Project Name: GJS WEST COOP NTR | | Zip: | | | |
| Project Location: | | Phone #: | | | |
| Sampler Name: Peter Hernandez | | Fax #: | | | |
| FOR LAB USE ONLY | | MATRIX | | PRESERV | |
| Lab I.D. H601235 | | Sample I.D. SP504 | | DATE | |
| a1 | | a2 | | TIME | |
| | | (G)RAB OR (C)OMP. | | 6-3-16 1208 | |
| | | # CONTAINERS | | 6-3-16 1220 | |
| | | GROUNDWATER | | | |
| | | WASTEWATER | | | |
| | | SOIL | | | |
| | | OIL | | | |
| | | SLUDGE | | | |
| | | OTHER : | | | |
| | | ACID/BASE: | | | |
| | | ICE / COOL | | | |
| | | OTHER : | | | |
| | | DATE | | | |
| | | TIME | | | |
| | | TPH | | | |
| | | BTEX | | | |
| | | CL- | | | |

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Relinquished By: [Signature] Date: 6-6-16 Time: [Blank] Received By: [Signature] Date: 6-3-16 Time: 1208

Relinquished By: [Signature] Date: 6-6-16 Time: [Blank] Received By: [Signature] Date: 6-3-16 Time: 1220

Delivered By: (Circle One) [Signature] Date: 6-3-16 Time: 3:35

Sampler - UPS - Bus - Other: [Signature] Date: 6-3-16 Time: 3:35

Sample Condition: Cool Intact Yes No Yes No

CHECKED BY: [Signature]

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

#75

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Friday, July 22, 2016 10:01 AM
To: Cliff Brunson
Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Patterson, Heather, EMNRD; 'agroves@slo.state.nm.us'
Subject: RE: COG - GJ West Coop Unit N TB - Remediation Plan

RE: COG * GJ West COOP Ut North Tank Btry * 2RP-3607 * DOR: 2/24/16

Cliff,

Your proposal for remediation of the above referenced release is approved. It is noted that the area identified as SP-1, SP-2 and SP-3, will be excavated to the extent practicable, but will be extremely limited due to numerous poly lines across the area. This portion of the release will be placed for deferral by OCD. As discussed, the barrier medium will be clay/bentonite where proposed. Please advise once remedial activities have been scheduled.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Monday, July 11, 2016 5:10 PM
To: Bratcher, Mike, EMNRD
Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Patterson, Heather, EMNRD
Subject: COG - GJ West Coop Unit N TB - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the COG GJ West Coop Unit N TB release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

B

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](#)
To: [Bratcher, Mike, EMNRD](#); [Cliff Brunson](#)
Cc: [Robert Grubbs](#); [Ken Swinney](#); [Jennifer Gilkey](#); [Kathy Purvis](#); [Patterson, Heather, EMNRD](#)
Subject: RE: COG - GJ West Coop Unit N TB - Remediation Plan
Date: Monday, August 1, 2016 7:54:46 AM
Attachments: [image001.png](#)
[image003.png](#)

Cliff,

NMSLO agrees with work plan approval.

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: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]
Sent: Friday, July 22, 2016 10:01 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: Robert Grubbs <RGrubbs@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>; Patterson, Heather, EMNRD <Heather.Patterson@state.nm.us>; Groves, Amber <agroves@slo.state.nm.us>
Subject: RE: COG - GJ West Coop Unit N TB - Remediation Plan

RE: COG * GJ West COOP Ut North Tank Btry * **2RP-3607** * DOR: 2/24/16

Cliff,

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identified as SP-1, SP-2 and SP-3, will be excavated to the extent practicable, but will be extremely limited due to numerous poly lines across the area. This portion of the release will be placed for deferral by OCD. As discussed, the barrier medium will be clay/bentonite where proposed. Please advise once remedial activities have been scheduled.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

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

Sent: Monday, July 11, 2016 5:10 PM

To: Bratcher, Mike, EMNRD

Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Patterson, Heather, EMNRD

Subject: COG - GJ West Coop Unit N TB - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the COG GJ West Coop Unit N TB release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

B

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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