



APPROVED

By CHernandez at 8:44 am, Jul 20, 2018

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DELINEATION WORKPLAN

**COG – TYRELL FEE #002H
(Leak Date: 5/15/18)**

RP # 1RP-5063

NMOCD approves of the delineation completed for 1RP-5063 and the proposed remediation plan with these clarifications: 1) Bottom and sidewall confirmation samples no greater than 50 ft apart. 2) Mark confirmation sample locations on a scaled map with GPS coordinates. 3) Include photo documentation of delineation and remediation in subsequent report.

This delineation workplan and remediation proposal addresses the release associated with RP # 1RP-5063.

The following information includes:

1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
2. GPS information for sample points and sample methodology
3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
4. Laboratory analysis results summary table and original laboratory analysis reports
5. A copy of the initial C-141
6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

COG will excavate the spill area as depicted on the following site diagram. The entire leak area (pink shade on diagram) will be excavated to a depth of 1 foot.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

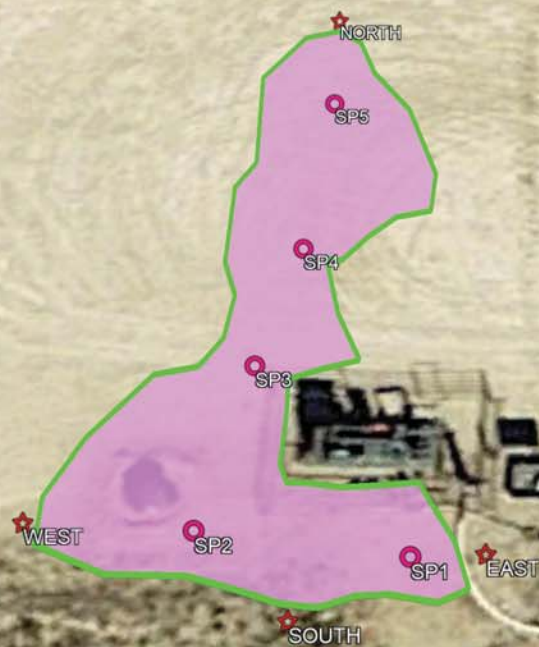
All excavated materials will be disposed of at an NMOCD-approved disposal facility.

COG, Tyrell Fee #002H

Leak date: 05/15/2018
Lea County, NM
AP# 30-025-42789

Legend

- ★ Cardinal sample points
- Leak area, 1 ft Excavation
- Sample points



COG, Tyrell Fee #002H

Sample points

SP1, N 32.22386 W-103.53784

SP2, N 32.22387 W-103.53795

SP3, N 32.22396 W-103.53793

SP4, N 22403 W-103.53791

SP5, N 32.22412 W-103.53790

NORTH, N 32.22418 W-103.53790

SOUTH, N 32.22382 W-103.53790

EAST, N 32.22386 W-103.53780

WEST, N 32.22387 W-103.53804

COG, Tyrell Fee #002H
U/L A, Section 14, T24S, R33E
Groundwater: 75'-100'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|---------|----------|------------|-------------|--------------|
| C 03917 POD1 | C | | LE | 4 | 1 | 3 | 13 | 24S | 33E | 638374 | 3565212 | 1010 | 600 | 420 | 180 |
| C 03666 POD1 | C | | LE | 2 | 3 | 4 | 13 | 24S | 33E | 639132 | 3565078 | 1610 | 650 | 390 | 260 |

Average Depth to Water: **405 feet**

Minimum Depth: **390 feet**

Maximum Depth: **420 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 637884

Northing (Y): 3566096

Radius: 1700

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

Public Land Survey System (PLSS)

☒ Q64: Q16: NE Q4: NE Sec: 14 Tws: 24S Rng: 33E

State Plane Coordinate System - NAD27

☐ X: 0 ft Y: 0 ft Zone:

State Plane Coordinate System - NAD83

☐ X: 0 ft Y: 0 ft Zone:

Degrees/Minutes/Seconds

☐ Longitude (X): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "

Latitude (Y): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "

UTM - NAD27

☐ Easting (X): 0 mtrs Northing (Y): 0 mtrs Zone:

SUBMIT**All Conversion Results are displayed as NAD 1983 UTM Zone 13**Easting (X): 637884.0 mtrsNorthing (Y): 3566096.0 mtrs**~~ Please keep screen open to copy UTM values for Reports. ~~**

Laboratory Analytical Results Summary
Tyrell Fee #002H

| | | Sample ID | SP1 @ SURFACE | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte | Method | Date | 6/8/18 | 6/8/18 | 6/19/18 | 6/19/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.200 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 2.5 | 0.135 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 5.33 | <0.050 | 0.235 | <0.050 |
| Total Xylenes | BTEX 8021B | | 23.7 | 1.64 | 1 | <0.150 |
| Total BTEX | BTEX 8021B | | 31.6 | 1.78 | 1.27 | <0.300 |
| Chloride | SM4500Cl-B | | 80 | 32 | 240 | 144 |
| GRO | TPH 8015M | | 736 | 72.9 | 17.2 | <10.0 |
| DRO | TPH 8015M | | 31400 | 1970 | 835 | <10.0 |
| EXT DRO | TPH 8015M | | 598 | 322 | 89.9 | <10.0 |
| Total TPH | TPH 8015M | | 32100 | n/a | n/a | n/a |

| | | Sample ID | SP2 @ SURFACE | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte | Method | Date | 6/8/18 | 6/8/18 | 6/19/18 | 6/19/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.200 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 7.45 | 0.292 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 10.6 | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 44.7 | 2.96 | 0.892 | <0.150 |
| Total BTEX | BTEX 8021B | | 62.9 | 3.26 | 0.913 | <0.300 |
| Chloride | SM4500Cl-B | | 96 | 144 | 208 | 160 |
| GRO | TPH 8015M | | 681 | 153 | 15.5 | <10.0 |
| DRO | TPH 8015M | | 22300 | 2900 | 603 | <10.0 |
| EXT DRO | TPH 8015M | | 669 | 455 | 92.5 | <10.0 |
| Total TPH | TPH 8015M | | 23000 | n/a | n/a | n/a |

| | | Sample ID | SP3 @ SURFACE | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte | Method | Date | 6/8/18 | 6/8/18 | 6/19/18 | 6/19/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.200 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 2.65 | 0.285 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 5.07 | <0.050 | 0.146 | <0.050 |
| Total Xylenes | BTEX 8021B | | 22.2 | 2.63 | 0.651 | <0.150 |
| Total BTEX | BTEX 8021B | | 30 | 2.92 | 0.813 | <0.300 |
| Chloride | SM4500Cl-B | | 976 | 304 | 224 | 176 |
| GRO | TPH 8015M | | 673 | 96.5 | 14.2 | <10.0 |
| DRO | TPH 8015M | | 28600 | 2500 | 547 | <10.0 |
| EXT DRO | TPH 8015M | | 3740 | 391 | 60.4 | <10.0 |

| | | Sample ID | SP4 @ SURFACE | SP4 @ 1' | SP4 @ 2' | SP4 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte | Method | Date | 6/8/18 | 6/8/18 | 6/20/18 | 6/20/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.200 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 2.24 | 0.163 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 5.12 | <0.050 | 0.091 | <0.050 |
| Total Xylenes | BTEX 8021B | | 23.3 | 1.55 | 0.448 | <0.150 |
| Total BTEX | BTEX 8021B | | 30.6 | 1.71 | 0.563 | <0.300 |
| Chloride | SM4500Cl-B | | 1600 | 224 | 224 | 144 |
| GRO | TPH 8015M | | 769 | 57.3 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 23900 | 2260 | 449 | <10.0 |
| EXT DRO | TPH 8015M | | 3070 | 390 | 89.7 | <10.0 |

| | | Sample ID | SP5 @ SURFACE | SP5 @ 1' | SP5 @ 2' | SP5 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte | Method | Date | 6/8/18 | 6/8/18 | 6/20/18 | 6/20/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 0.286 | 0.308 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.958 | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 4.41 | 2.63 | 0.209 | <0.150 |
| Total BTEX | BTEX 8021B | | 5.66 | 2.95 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 1580 | 288 | 240 | 160 |
| GRO | TPH 8015M | | 129 | 118 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 11400 | 2460 | 487 | <10.0 |
| EXT DRO | TPH 8015M | | 1700 | 407 | 103 | <10.0 |

| | | Sample ID | NORTH @ SURFACE | EAST @ SURFACE | WEST @ SURFACE | SOUTH @ SURFACE |
|---------------|------------|-----------|--------------------|-------------------|-------------------|--------------------|
| Analyte | Method | Date | 6/8/18 | 6/8/18 | 6/8/18 | 6/8/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 320 | 448 | 432 | 448 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |
| EXT DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |

June 25, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TYRELL FEE #002H

Enclosed are the results of analyses for samples received by the laboratory on 06/21/18 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. 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,



Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ SURFACE (H801708-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 2.50 | 0.200 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | 5.33 | 0.200 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 23.7 | 0.600 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | 31.6 | 1.20 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 142 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/22/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | E |
|----------------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|---|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | 736 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | | |
| DRO >C10-C28* | 31400 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | | |
| EXT DRO >C28-C36 | 598 | 10.0 | 06/22/2018 | ND | | | | | | |
| Total TPH C6-C28 | 32100 | 10.0 | 06/22/2018 | ND | 342 | 85.5 | 400 | 16.3 | | |

Surrogate: 1-Chlorooctane 206 % 41-142

Surrogate: 1-Chlorooctadecane 1080 % 37.6-147

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*=Accredited Analyte

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 1' (H801708-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 0.135 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 1.64 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTEX | 1.78 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 152 % 69.8-142

| Chloride, SM4500Cl-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/22/2018 | ND | 432 | 108 | 400 | 3.77 | |

| TPH 8015M | | | mg/kg | | | | | Analyzed By: MS | |
|----------------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 72.9 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | 1970 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | 322 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.5 % 41-142

Surrogate: 1-Chlorooctadecane 207 % 37.6-147

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*=Accredited Analyte

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/19/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 2' (H801708-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | 0.235 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | 1.00 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | 1.27 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 133 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 17.2 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | 835 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | 89.9 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.5 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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*=Accredited Analyte

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/19/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 3' (H801708-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.2 % 41-142

Surrogate: 1-Chlorooctadecane 66.0 % 37.6-147

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*=Accredited Analyte

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ SURFACE (H801708-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 7.45 | 0.200 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | 10.6 | 0.200 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 44.7 | 0.600 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTEX | 62.9 | 1.20 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 147 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-04, E | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 681 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | 22300 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | 669 | 10.0 | 06/22/2018 | ND | | | | | |
| Total TPH C6-C28 | 23000 | 10.0 | 06/22/2018 | ND | 342 | 85.5 | 400 | 16.3 | |

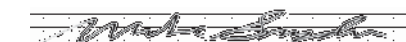
Surrogate: 1-Chlorooctane 154 % 41-142

Surrogate: 1-Chlorooctadecane 2030 % 37.6-147

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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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 1' (H801708-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 0.292 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 2.96 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTEX | 3.26 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 187 % 69.8-142

| Chloride, SM4500Cl-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | | | | Analyzed By: MS | |
|----------------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 153 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | 2900 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | 455 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 144 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/19/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 2' (H801708-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | 0.892 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | 0.913 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 130 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 15.5 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | 603 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | 92.5 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.9 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/19/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 3' (H801708-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 57.2 % 41-142

Surrogate: 1-Chlorooctadecane 52.0 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ SURFACE (H801708-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 2.65 | 0.200 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | 5.07 | 0.200 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 22.2 | 0.600 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTEX | 30.0 | 1.20 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 143 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 976 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | S-06 |
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Surrogate: 1-Chlorooctane 205 % 41-142

Surrogate: 1-Chlorooctadecane 1580 % 37.6-147

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

Received: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 1' (H801708-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 0.285 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 2.63 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | 2.92 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 175 % 69.8-142

| Chloride, SM4500Cl-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | | | | Analyzed By: MS | |
|----------------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 96.5 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | 2500 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | 391 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.6 % 41-142

Surrogate: 1-Chlorooctadecane 135 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/19/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 2' (H801708-11)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | 0.146 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | 0.651 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | 0.813 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 130 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 14.2 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | 547 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | 60.4 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.9 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/19/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 3' (H801708-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 65.6 % 41-142

Surrogate: 1-Chlorooctadecane 60.2 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ SURFACE (H801708-13)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 2.24 | 0.200 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | 5.12 | 0.200 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 23.3 | 0.600 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | 30.6 | 1.20 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 151 % 69.8-142

| Chloride, SM4500CI-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1600 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 769 | 50.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | 23900 | 50.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | 3070 | 50.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 235 % 41-142

Surrogate: 1-Chlorooctadecane 1660 % 37.6-147

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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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 1' (H801708-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 0.163 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 1.55 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | 1.71 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 162 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 57.3 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | 2260 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | 390 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.1 % 41-142

Surrogate: 1-Chlorooctadecane 249 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 2' (H801708-15)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | 0.091 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | 0.448 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTEx | 0.563 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | 449 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | 89.7 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.5 % 41-142

Surrogate: 1-Chlorooctadecane 99.0 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 3' (H801708-16)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 68.7 % 41-142

Surrogate: 1-Chlorooctadecane 62.6 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ SURFACE (H801708-17)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 0.286 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | 0.958 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 4.41 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | 5.66 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 164 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1580 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | S-06 |

Surrogate: 1-Chlorooctane 114 % 41-142

Surrogate: 1-Chlorooctadecane 579 % 37.6-147

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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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 1' (H801708-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | 0.308 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | 2.63 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTEx | 2.95 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 173 % 69.8-142

| Chloride, SM4500Cl-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | | | | Analyzed By: MS | |
|----------------------------|-------------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 118 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | 2460 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | 407 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 145 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 2' (H801708-19)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | 0.209 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTEx | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 240 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | 487 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | 103 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.2 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/20/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 3' (H801708-20)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 12.3 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.80 | 89.8 | 2.00 | 13.2 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.79 | 89.4 | 2.00 | 13.6 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.21 | 86.8 | 6.00 | 13.3 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 173 | 86.7 | 200 | 4.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 177 | 88.6 | 200 | 10.1 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 67.7 % 41-142

Surrogate: 1-Chlorooctadecane 61.9 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NORTH @ SURFACE (H801708-21)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 136 % 69.8-142

| Chloride, SM4500CI-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | | | | Analyzed By: MS | |
|------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | <50.0 | 50.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | <50.0 | 50.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: EAST @ SURFACE (H801708-22)

| BTX 8021B | | mg/kg | Analyzed By: MS | | | | | S-04 | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 133 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.0 % 41-142

Surrogate: 1-Chlorooctadecane 82.3 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WEST @ SURFACE (H801708-23)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTEx | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 134 % 69.8-142

| Chloride, SM4500CI-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | | mg/kg | | | | | Analyzed By: MS | |
|------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 41-142

Surrogate: 1-Chlorooctadecane 83.4 % 37.6-147

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Mike Snyder For 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: 06/21/2018
Reported: 06/25/2018
Project Name: TYRELL FEE #002H
Project Number: (5/15/18)
Project Location: COG - LEA CO NM

Sampling Date: 06/08/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SOUTH @ SURFACE (H801708-24)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.6 | 2.00 | 4.05 | |
| Toluene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.83 | 91.3 | 2.00 | 3.38 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2018 | ND | 1.81 | 90.6 | 2.00 | 3.64 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2018 | ND | 5.66 | 94.3 | 6.00 | 3.06 | |
| Total BTX | <0.300 | 0.300 | 06/22/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 144 % 69.8-142

| Chloride, SM4500CI-B | | | mg/kg | | | | | Analyzed By: AC | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 06/22/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | | mg/kg | | | | | Analyzed By: MS | |
|------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2018 | ND | 160 | 80.1 | 200 | 17.9 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2018 | ND | 182 | 90.9 | 200 | 14.9 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.6 % 41-142

Surrogate: 1-Chlorooctadecane 86.3 % 37.6-147

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

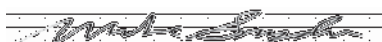
Notes and Definitions

| | |
|------|--|
| 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. |
| E | The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag). |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

103

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------|--|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: BBC International, Inc. | | | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Cliff Brunson | | | | P.O. #: | | <div style="display: flex; justify-content: space-around;"> <div>CL</div> <div>BTEX</div> <div>TPHEXT</div> </div> | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | | | Company: COG | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs | | State: NM | | Zip: 88241 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575-397-6388 | | Fax #: 575-397-0397 | | Attn: Becky Haskell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | Project Owner: COG | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: TYRELL FEE #002H (5/15/18) | | City: | | State: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: LEA COUNTY, NM | | Zip: | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: JEFF ORNELAS | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|---|---|------------------------------------|--|----------------|
| Relinquished By: Jeff Ornelas | Date: 6/19/18 Time: 5:30pm | Received By: Israel Pen | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: Brad Pen | Date: 6-21-18 Time: 5:00 | Received By: Tamara Blahut | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: 3.28 | Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: (Initials) T-#75 | REMARKS: Push! Some samples have head space | |

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



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

[illegible]

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based on any of the above stated reasons or otherwise.

| | | | | | |
|--|--|--|--|--|--|
| Relinquished By: <i>[Signature]</i> Date: <i>6/19/18</i> Time: <i>5:30pm</i> | | Received By: <i>[Signature]</i> Date: <i>6-21-18</i> Time: <i>5:00</i> | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: | |
| Relinquished By: <i>[Signature]</i> Date: <i>6-21-18</i> Time: <i>5:00</i> | | Received By: <i>[Signature]</i> Date: <i>6-21-18</i> Time: <i>5:00</i> | | Rush! Some samples have had 5.0 | |
| Delivered By: (Circle One) <i>322</i> Sampler - UPS - Bus - Other: <i>Corrupted 3.152</i> | | Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No | | CHECKED BY: (Initials) <i>TO #75</i> | |

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

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3083

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 the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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

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

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

Form C-141
Revised April 3, 2017

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. (OGRID #229137) | Contact: Robert McNeill | |
| Address: 600 West Illinois Avenue, Midland TX 79701 | Telephone No. 432-683-7443 | |
| Facility Name: Tyrell Fee #002H | Facility Type: Well | |
| Surface Owner: Private | Mineral Owner: Private | API No. 30-025-42789 |

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|----------------------|---------------------------|----------------------|------------------------|---------------|
| Unit Letter A | Section 14 | Township 24S | Range 33E | Feet from the 190 | North/South Line North | Feet from the 990 | East/West Line East | County Lea |
|------------------|---------------|-----------------|--------------|----------------------|---------------------------|----------------------|------------------------|---------------|

Latitude 32.22433799 Longitude -103.5378044 NAD83

NATURE OF RELEASE

| | | |
|---|--|--|
| Type of Release: Oil & Produced Water | Volume of Release: 3 bbl. Oil 10 bbl. Produced Water | Volume Recovered: 1 bbl. Oil 5 bbl. Produced Water |
| Source of Release: Closed Valve | Date and Hour of Occurrence: May 15, 2018 11:30am | Date and Hour of Discovery: May 15, 2018 11:30am |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" 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.* | | |
| <div>RECEIVED By Olivia Yu at 2:29 pm, May 21, 2018</div> | | |

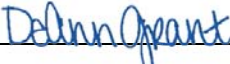

Describe Cause of Problem and Remedial Action Taken.*

The release was caused by the ball valve from the separator being closed and causing the sump tank to spill over.

Describe Area Affected and Cleanup Action Taken.*

The release was on location. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area sampled to delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

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: DeAnn Grant | | Approved by Environmental Specialist:  | |
| Title: HSE Administrative Assistant | Approval Date: 5/21/2018 | Expiration Date: | |
| E-mail Address: agrant@concho.com | Conditions of Approval: see attached directive | Attached <input checked="" type="checkbox"/> | |
| Date: May 16, 2018 | Phone: 432-253-4513 | | |

* Attach Additional Sheets If Necessary

1RP-5063

nOY1814154301

pOY1814154471

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 5/16/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-5063 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 6/21/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

From: [Hernandez, Christina, EMNRD](#)
To: ["Cliff Brunson"; Yu, Olivia, EMNRD](#)
Cc: ["Becky Haskell"; "Dakota Neel"; "Sheldon Hitchcock"; DeAnn Grant; "Ken Swinney"; "Jennifer Gilkey"; "Kathy Purvis"](#)
Subject: RE: COG Tyrell Fee #002H (1RP-5063) - Delineation Workplan
Date: Friday, July 20, 2018 8:53:00 AM
Attachments: [Delineation Workplan Tyrell Fee #002H \(5-15-18\).pdf](#)

Dear Mr. Brunson:

NMOCD approves of the delineation completed for 1RP-4894 and the proposed remediation with these clarifications:

1. Sidewall AND bottom confirmation samples taken in the impacted pasture area and must be no greater than 50 ft apart.
2. On an appropriately scaled map, demarcate confirmation sample locations with GPS coordinates.
3. Include dated photo documentation of delineation and remediation in the subsequent report.

Thanks,

Christina Hernandez
EMNRD-OCD
Environmental Specialist
1625 N. French Drive
Hobbs, NM 88240
575-393-6161 x111
Christina.Hernandez@state.nm.us

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.

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Monday, July 9, 2018 8:47 AM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Hernandez, Christina, EMNRD <Christina.Hernandez@state.nm.us>
Cc: 'Becky Haskell' <rhaskell@concho.com>; 'Dakota Neel' <DNeel2@concho.com>; 'Sheldon Hitchcock' <SLHitchcock@concho.com>; DeAnn Grant <agrants@concho.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: COG Tyrell Fee #002H (1RP-5063) - Delineation Workplan

Olivia,

Please find the attached Delineation Workplan and remediation proposal for the COG Tyrell Fee #002H (1RP-5063). COG is requesting that you review this plan and is looking forward to the OCD's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
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