



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

Oxy – Sundance 8 Federal #1 CTB (12/11/2016)

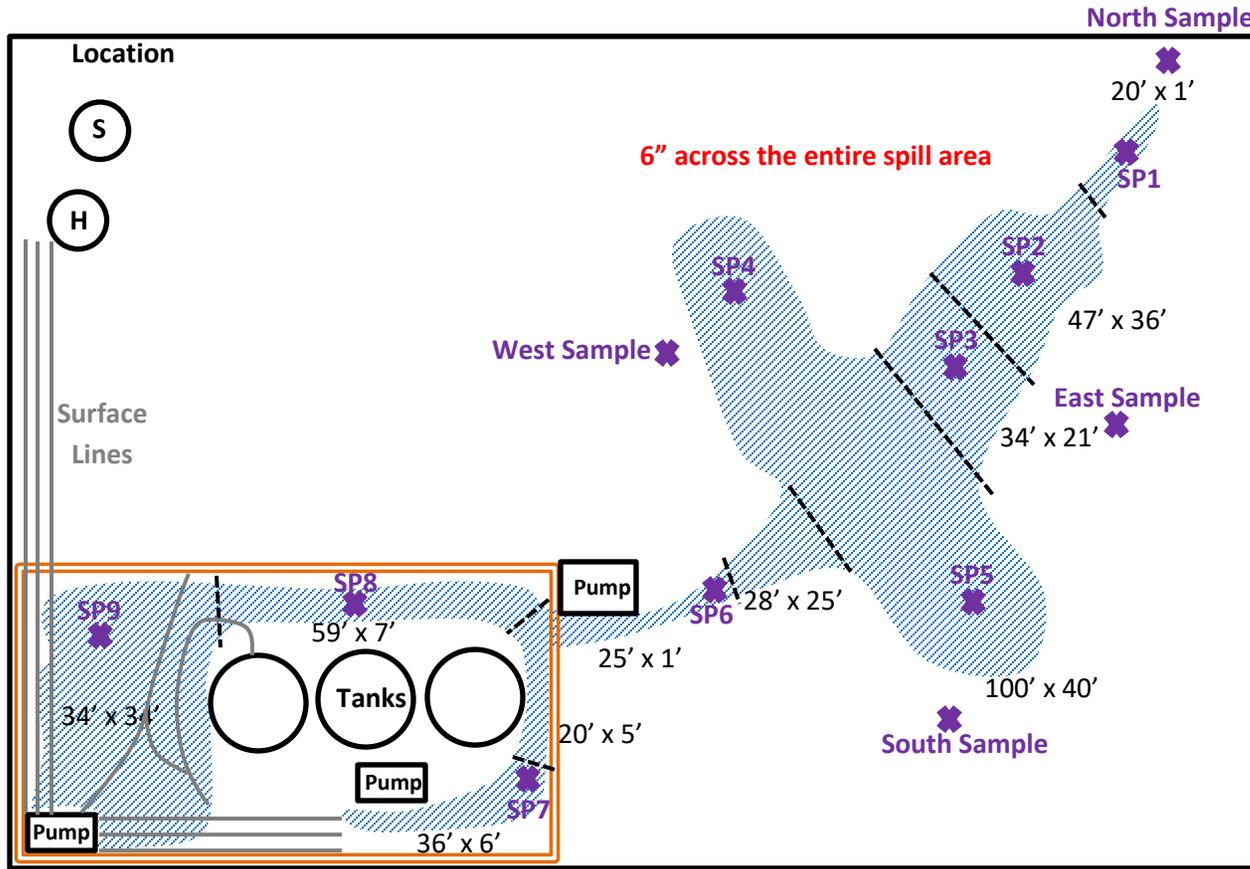
REMEDIATION PLAN, RP # 2RP-4054

Oxy will excavate the spill area as depicted on the following site diagram. The entire leak area will be excavated to a depth of 6 inches. The entire site will then be backfilled with clean soil.

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



Oxy
Sundance 8 Federal #1 CTB (12/11/16)



U/L C, Section 8, T24S, R31E

Eddy County, NM

N 32.23798° W 103.80333°

API# 30-015-27228

| | |
|----------------------------------|--------------------|
| BBC International, Inc. | |
| Oxy | |
| Sundance 8 Federal #1 CTB | |
| Date: 12/28/2016 | DRWG by: K. Purvis |
| NOT TO SCALE | File: Oxy 2016 |



Groundwater Plot

Oxy Sundance 8 Federal #1 CTB

County
Eddy

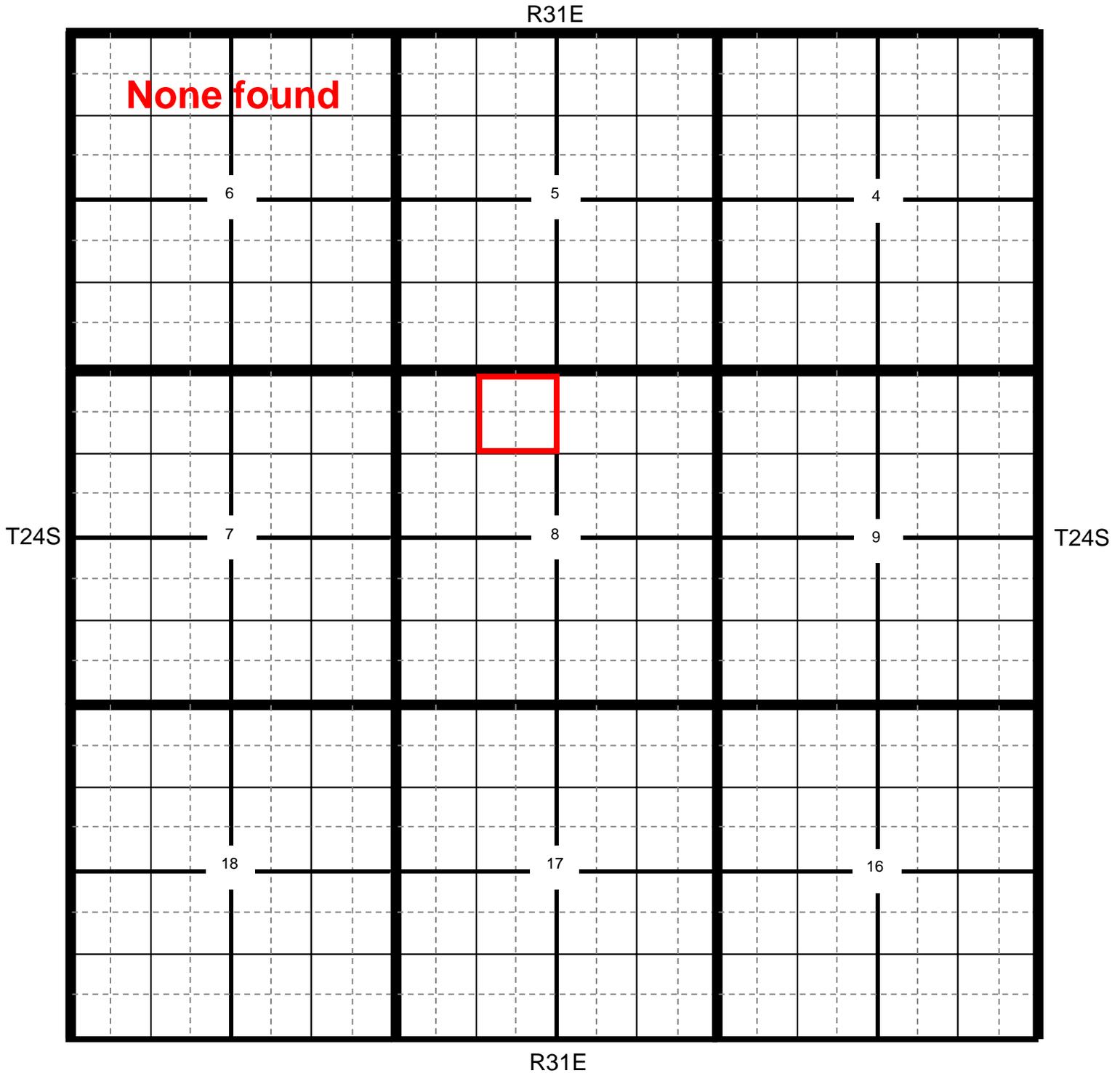
Unit Letter
C

Section
8

Township
24S

Range
31E

Trend Map 200'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Oxy Sundance 8 Federal #1 CTB

| | | | | |
|-----------------------|-------------------------|---------------------|------------------------|---------------------|
| County Eddy | Unit Letter C | Section 8 | Township 24S | Range 31E |
|-----------------------|-------------------------|---------------------|------------------------|---------------------|

Trend Map 200'

1

2

| | | | |
|--|---------------|---------------|---------------|
| NW/NW <b style="color: red; font-size: 1.2em;">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

Laboratory Analytical Results Summary
Sundance 8 Federal #1 CTB

| Analyte | Method | Sample Date | SP1 @ 1' | SP1 @ 2' |
|---------------|------------|-------------|------------------|------------------|
| | | | 1/10/17 mg/Kg | 1/10/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 |
| GRO | TPH 8015M | | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 |

| Analyte | Method | Sample Date | SP6 @ 1' | SP6 @ 2' |
|---------------|------------|-------------|------------------|------------------|
| | | | 1/10/17 mg/Kg | 1/10/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 |
| GRO | TPH 8015M | | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | 25.8 |

| Analyte | Method | Sample Date | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' |
|---------------|------------|-------------|------------------|------------------|------------------|
| | | | 1/10/17 mg/Kg | 1/10/17 mg/Kg | 1/10/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |

| Analyte | Method | Sample Date | SP7 @ 1' | SP7 @ 2' | SP7 @ 3' |
|---------------|------------|-------------|------------------|------------------|------------------|
| | | | 1/11/17 mg/Kg | 1/11/17 mg/Kg | 1/11/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 0.109 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.196 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 0.579 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 0.884 | <0.300 | <0.300 |
| GRO | TPH 8015M | | 14.7 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 816 | 61.3 | 21.2 |

| Analyte | Method | Sample Date | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' |
|---------------|------------|-------------|------------------|------------------|------------------|
| | | | 1/10/17 mg/Kg | 1/10/17 mg/Kg | 1/10/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |

| Analyte | Method | Sample Date | SP8 @ 1' | SP8 @ 2' | SP8 @ 3' |
|---------------|------------|-------------|------------------|------------------|------------------|
| | | | 1/11/17 mg/Kg | 1/11/17 mg/Kg | 1/11/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 0.119 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.156 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 0.569 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 0.844 | <0.300 | <0.300 |
| GRO | TPH 8015M | | <50.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 1340 | 85.8 | <10.0 |

| Analyte | Method | Sample Date | SP4 @ 1' | SP4 @ 2' | SP4 @ 3' |
|---------------|------------|-------------|------------------|------------------|------------------|
| | | | 1/10/17 mg/Kg | 1/10/17 mg/Kg | 1/10/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |

| Analyte | Method | Sample Date | SP9 @ 1' | SP9 @ 2' | SP9 @ 3' |
|---------------|------------|-------------|------------------|------------------|------------------|
| | | | 1/11/17 mg/Kg | 1/11/17 mg/Kg | 1/11/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 0.219 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.187 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 0.681 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 1.09 | <0.300 | <0.300 |
| GRO | TPH 8015M | | <50.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 917 | 24.5 | <10.0 |

| Analyte | Method | Sample Date | SP5 @ 1' | SP5 @ 2' | SP5 @ 3' |
|---------------|------------|-------------|------------------|------------------|------------------|
| | | | 1/10/17 mg/Kg | 1/10/17 mg/Kg | 1/10/17 mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |

| Analyte | Method | Sample Date | North Sample | East Sample | West Sample | South Sample |
|---------------|------------|-------------|------------------|------------------|------------------|------------------|
| | | | 1/11/17 mg/Kg | 1/11/17 mg/Kg | 1/11/17 mg/Kg | 1/11/17 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 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |



January 19, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SUNDANCE 8 #1

Enclosed are the results of analyses for samples received by the laboratory on 01/13/17 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,

A handwritten signature in black ink that reads "Celey D. Keene".

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: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 1 @ 1' (H700096-01)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 85.4 % 35-147
Surrogate: 1-Chlorooctadecane 87.6 % 28-171

Cardinal Laboratories

*=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: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 1 @ 2' (H700096-02)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 85.2 % 35-147

Surrogate: 1-Chlorooctadecane 87.7 % 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: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 2 @ 1' (H700096-03)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 86.6 % 35-147

Surrogate: 1-Chlorooctadecane 91.4 % 28-171

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*=Accredited Analyte

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

| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 2 @ 2' (H700096-04)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 97.1 % 35-147

Surrogate: 1-Chlorooctadecane 113 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 2 @ 3' (H700096-05)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 81.0 % 35-147

Surrogate: 1-Chlorooctadecane 83.6 % 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: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 3 @ 1' (H700096-06)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 95.9 % 35-147

Surrogate: 1-Chlorooctadecane 94.6 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 3 @ 2' (H700096-07)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 91.4 % 35-147

Surrogate: 1-Chlorooctadecane 92.1 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 3 @ 3' (H700096-08)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 78.4 % 35-147

Surrogate: 1-Chlorooctadecane 80.6 % 28-171

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|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 4 @ 1' (H700096-09)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 85.3 % 35-147

Surrogate: 1-Chlorooctadecane 85.4 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 4 @ 2' (H700096-10)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 81.1 % 35-147

Surrogate: 1-Chlorooctadecane 88.2 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 4 @ 3' (H700096-11)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 76.8 % 35-147

Surrogate: 1-Chlorooctadecane 84.9 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 5 @ 1' (H700096-12)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 86.1 % 35-147

Surrogate: 1-Chlorooctadecane 86.9 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 5 @ 2' (H700096-13)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 80.0 % 35-147

Surrogate: 1-Chlorooctadecane 91.1 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 5 @ 3' (H700096-14)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 80.4 % 35-147

Surrogate: 1-Chlorooctadecane 89.1 % 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: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 6 @ 1' (H700096-15)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 85.7 % 35-147

Surrogate: 1-Chlorooctadecane 92.4 % 28-171

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

| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/10/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 6 @ 2' (H700096-16)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | 25.8 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 79.9 % 35-147

Surrogate: 1-Chlorooctadecane 86.9 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 7 @ 1' (H700096-17)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | 0.109 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | 0.196 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | 0.579 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | 0.884 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.6-140

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | 14.7 | 10.0 | 01/17/2017 | ND | 211 | 105 | 200 | 3.72 | | |
| DRO >C10-C28 | 816 | 10.0 | 01/17/2017 | ND | 231 | 116 | 200 | 1.17 | | |

Surrogate: 1-Chlorooctane 77.0 % 35-147

Surrogate: 1-Chlorooctadecane 91.3 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 7 @ 2' (H700096-18)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.25 | 112 | 2.00 | 1.42 | | |
| Toluene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.22 | 111 | 2.00 | 1.47 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/17/2017 | ND | 2.24 | 112 | 2.00 | 1.26 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/17/2017 | ND | 6.34 | 106 | 6.00 | 1.39 | | |
| Total BTEX | <0.300 | 0.300 | 01/17/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | 61.3 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | QM-07 | |

Surrogate: 1-Chlorooctane 70.1 % 35-147

Surrogate: 1-Chlorooctadecane 82.5 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 7 @ 3' (H700096-19)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | 21.2 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | | |

Surrogate: 1-Chlorooctane 56.0 % 35-147

Surrogate: 1-Chlorooctadecane 65.3 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 8 @ 1' (H700096-20)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | |
| Toluene* | 0.119 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | |
| Ethylbenzene* | 0.156 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | |
| Total Xylenes* | 0.569 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | |
| Total BTEX | 0.844 | 0.300 | 01/18/2017 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | |
| DRO >C10-C28 | 1340 | 50.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | |

Surrogate: 1-Chlorooctane 78.4 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 8 @ 2' (H700096-21)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | 85.8 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | | |

Surrogate: 1-Chlorooctane 63.4 % 35-147

Surrogate: 1-Chlorooctadecane 70.6 % 28-171

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| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 8 @ 3' (H700096-22)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | | |

Surrogate: 1-Chlorooctane 86.6 % 35-147

Surrogate: 1-Chlorooctadecane 91.0 % 28-171

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

| | | | |
|-------------------|---------------|---------------------|---------------|
| Received: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 9 @ 1' (H700096-23)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | |
| Toluene* | 0.219 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | |
| Ethylbenzene* | 0.187 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | |
| Total Xylenes* | 0.681 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | |
| Total BTEX | 1.09 | 0.300 | 01/18/2017 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | |
| DRO >C10-C28 | 917 | 50.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | |

Surrogate: 1-Chlorooctane 71.1 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 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: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 9 @ 2' (H700096-24)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | 24.5 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | | |

Surrogate: 1-Chlorooctane 74.5 % 35-147

Surrogate: 1-Chlorooctadecane 82.7 % 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: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SP 9 @ 3' (H700096-25)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | | |

Surrogate: 1-Chlorooctane 75.0 % 35-147

Surrogate: 1-Chlorooctadecane 86.0 % 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: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: NORTH (H700096-26)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | | |

Surrogate: 1-Chlorooctane 91.0 % 35-147

Surrogate: 1-Chlorooctadecane 94.7 % 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: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: EAST (H700096-27)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | |

Surrogate: 1-Chlorooctane 88.1 % 35-147

Surrogate: 1-Chlorooctadecane 96.7 % 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: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: WEST (H700096-28)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | |

Surrogate: 1-Chlorooctane 87.2 % 35-147

Surrogate: 1-Chlorooctadecane 97.4 % 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: | 01/13/2017 | Sampling Date: | 01/11/2017 |
| Reported: | 01/19/2017 | Sampling Type: | Soil |
| Project Name: | SUNDANCE 8 #1 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | OXY | | |

Sample ID: SOUTH (H700096-29)

| BTEX 8021B | | mg/kg | | Analyzed By: CK | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.661 | | |
| Toluene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.85 | 92.6 | 2.00 | 0.536 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/18/2017 | ND | 1.87 | 93.7 | 2.00 | 0.354 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/18/2017 | ND | 5.31 | 88.5 | 6.00 | 0.366 | | |
| Total BTEX | <0.300 | 0.300 | 01/18/2017 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

| 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 | 01/17/2017 | ND | 195 | 97.5 | 200 | 1.18 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 01/17/2017 | ND | 202 | 101 | 200 | 1.74 | | |

Surrogate: 1-Chlorooctane 80.3 % 35-147

Surrogate: 1-Chlorooctadecane 91.8 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: *DAV*
 Project Name: *Sundown's Food #1*
 Project Location: *101 Crncls S*
 Sampler Name: *101 Crncls S*
 P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | SAMPLING | DATE | TIME | PH | BTEX |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|----------|------|------|----|------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | |
| H100096 | SP 101 | | 1 | | | X | | | | X | 1-10 | 930 | X | | |
| | SP 201 | | 1 | | | X | | | | X | 1015 | 1015 | X | | |
| | SP 301 | | 1 | | | X | | | | X | 1040 | 1040 | X | | |
| | SP 41 | | 1 | | | X | | | | X | 1111 | 1127 | X | | |
| | SP 42 | | 1 | | | X | | | | X | 1127 | 1127 | X | | |
| | SP 43 | | 1 | | | X | | | | X | 1143 | 1143 | X | | |
| | SP 44 | | 1 | | | X | | | | X | 1155 | 1155 | X | | |

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Relinquished By: _____ Date: *1/3/17* Received By: *Cliff Brunson*
 Time: _____
 Relinquished By: _____ Date: _____ Received By: _____
 Time: _____
 Date: *1/3/17* Time: _____
 Delivered By: (Circle One) *UPS* # *715* Received By: *Cliff Brunson*
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Yes No Yes No
 CHECKED BY: *Cliff Brunson*
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: _____

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

BILL TO

ANALYSIS REQUEST

Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: Oxy
 Project Name: Sundeck 8 #1
 Project Location:
 Sampler Name: 10
 FOR LAB USE ONLY
 P.O. #:
 Company:
 Athn:
 Address:
 City:
 State: Zip:
 Phone #:
 Fax #:

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | SAMPLING | DATE | TIME | BTEX | TPH |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|----------|----------|-------|------|------|-----|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | |
| H1000916 | | | | | | | | | | | | | | | |
| 11 | SP 403 | G | 1 | X | X | X | X | X | X | X | 1/10 | 1:39 | X | X | |
| 12 | SP 501 | G | 1 | X | X | X | X | X | X | X | 1/10 | 2:39 | X | X | |
| 13 | SP 502 | G | 1 | X | X | X | X | X | X | X | 1/10 | 2:52 | X | X | |
| 14 | SP 601 | G | 1 | X | X | X | X | X | X | X | 1/10 | 3:05 | X | X | |
| 15 | SP 602 | G | 1 | X | X | X | X | X | X | X | 1/10 | 3:39 | X | X | |
| 16 | SP 701 | G | 1 | X | X | X | X | X | X | X | 1/11 | 3:58 | X | X | |
| 17 | SP 702 | G | 1 | X | X | X | X | X | X | X | 1/11 | 10:10 | X | X | |
| 18 | SP 703 | G | 1 | X | X | X | X | X | X | X | 1/11 | 10:31 | X | X | |
| 19 | SP 801 | G | 1 | X | X | X | X | X | X | X | 1/11 | 11:56 | X | X | |
| 20 | SP 802 | G | 1 | X | X | X | X | X | X | X | 1/11 | 11:59 | X | X | |

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Relinquished By: [Signature] Date: 1-13-17 Time: 4:45
 Received By: Cliff Brunson
 Delivered By: (Circle One) UPS - Bus - Other: #75 2:20
 Sample Condition: Cool Intact Yes No
 CHECKED BY: [Signature]
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson

BILL TO

ANALYSIS REQUEST

Address: P.O. Box 805
 City: Hobbs State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner: *8 # 1/14*
 Project Name: *Snowace*
 Project Location:
 Sampler Name:
 FOR LAB USE ONLY

P.O. #: Company:
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | SAMPLING | DATE | TIME | TPH | BTEX |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|-------|----------|----------|------|------|-----|------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | | | | | | |
| 21 | SP 802 | | 1 | X | X | X | X | X | X | X | 1/11 | 1139 | ✓ | ✓ | |
| 22 | SP 901 | | 1 | X | X | X | X | X | X | X | 1/11 | 1208 | ✓ | ✓ | |
| 23 | SP 902 | | 1 | X | X | X | X | X | X | X | 1/11 | 1339 | ✓ | ✓ | |
| 24 | | | 1 | X | X | X | X | X | X | X | 1/11 | 215 | ✓ | ✓ | |
| 25 | | | 1 | X | X | X | X | X | X | X | 1/11 | 225 | ✓ | ✓ | |
| 26 | | | 1 | X | X | X | X | X | X | X | 1/11 | 230 | ✓ | ✓ | |
| 27 | | | 1 | X | X | X | X | X | X | X | 1/11 | 246 | ✓ | ✓ | |
| 28 | | | 1 | X | X | X | X | X | X | X | 1/11 | | ✓ | ✓ | |
| 29 | | | 1 | X | X | X | X | X | X | X | 1/11 | | ✓ | ✓ | |

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.

Relinquished By: *[Signature]* Date: *1/3/16* Time: *1:37*
 Received By: *[Signature]* Date: *1/3/16* Time: *1:37*
 Delivered By: (Circle One) *UPS* # *75 2.92*
 Sampler - UPS - Bus - Other: *UPS*
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]* Initials: *[Signature]*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

† 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 August 8, 2011

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 | Oxy Permian Ltd. | Contact | Casey Summers |
| Address | PO Box 4294; Houston, TX 77210 | Telephone No. | (575) 513-8289 |
| Facility Name | Sundance 8 Federal #1 CTB | Facility Type | Battery |

| | | | | | |
|---------------|-----|---------------|--|---------|--------------|
| Surface Owner | BLM | Mineral Owner | | API No. | 30-015-27228 |
|---------------|-----|---------------|--|---------|--------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| C | 8 | 24S | 31E | | | | | Eddy |

Latitude N 32.23798° Longitude W 103.80333°

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|---|----------------------------|--------|
| Type of Release | Oil | Volume of Release | 13 bbls | Volume Recovered | 3 bbls |
| Source of Release | Bleeder valve on the circulating pump was left open | Date and Hour of Occurrence | 12/11/2016 | Date and Hour of Discovery | |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Mike Bratcher, Heather Patterson- NMOCD; Shelly Tucker- BLM | | |
| By Whom? | Kathy Purvis @ BBC International Inc. | Date and Hour | 12/13/2016 @ 11:37 am | | |
| 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.*

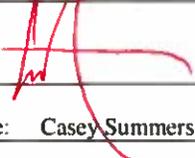
Describe Cause of Problem and Remedial Action Taken.*

The bleeder valve on the circulating pump was left open spilling 13 bbls of oil on location. A vacuum truck recovered 3 bbls of oil and the valve was closed.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 250' x 40' on location. Remediation will be completed in accordance with an approved remediation plan from NMOCD and the BLM.

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: Casey Summers | | Approved by Environmental Specialist: | |
| Title: NM Environmental Advisor | | Approval Date: | Expiration Date: |
| E-mail Address: Casey_Summers@oxy.com | | Conditions of Approval: | |
| Date: 12-29-16 | Phone: (575) 513-8289 | Attached <input type="checkbox"/> | |

* Attach Additional Sheets If Necessary