

# Closure Report

ID #nAB1506443259

## Site Description

|                    |                              |
|--------------------|------------------------------|
| Site Name:         | SDS 11 FEDERAL #1 SWD        |
| Company:           | Oxy USA, Inc.                |
| Legal Description: | UL F , S 11 , TS 24S , R 31E |
| County:            | EDDY                         |
| GPS Coordinates:   | N 32.23339 W -103.750704     |

## Release Data

|                    |                          |
|--------------------|--------------------------|
| Date of Release:   | 2/22/2015                |
| Type of Release:   | PRODUCED WATER           |
| Source of Release: | HIGH PRESSURES ON A PUMP |
| Volume of Release: | 44 BBLS                  |
| Volume Recovered:  | 0 BBLS                   |

## Remediation Specifications

|                         |  |  |
|-------------------------|--|--|
| Remediation Parameters: | This site is listed on the Agreed Compliance Order of 4/5/19. This site had previously been remediated but no paperwork existed for verification therefore, OXY performed confirmation sampling to verify remediation limits had been met. The enclosed site diagram depicts the spill area, excavation depths, and the confirmation sample points. OXY collected sidewall and bottom confirmation samples every 200 square feet . |  |
| Remediation Activities: | May-15   |  |
| Plan Sent to OCD:       | 3/20/2015  |  |
| OCD Approval of Plan:   | 3/26/2015  |  |
| Plan Sent to BLM:       |  |  |
| BLM Approval of Plan:   |  |  |

## Supporting Documentation

|                      |  |                          |
|----------------------|--|--------------------------|
|                      |  |                          |
| C-141, page 6        | signed and included  |                          |
| Site Diagram         | Google Earth map with excavation depths & confirmation sample points |                          |
| Pictures             | Closure photos   |                          |
| Lab Summary/Analysis | Confirmation lab summary/analysis report                             | 7/11/22,7/12/22,7/22/22, |
| Notifications        |  |                          |

## Request for Closure

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

Cliff P. Brunson  
President, BBC International, Inc.

10/5/2022

Form C-141

State of New Mexico  
Oil Conservation Division

Page 6

|                |               |
|----------------|---------------|
| Incident ID    | nAB1506443259 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |


## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate OCD District office must be notified 2 days prior to final sampling)
- ☐ Description of 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 OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental CoordinatorSignature:  Date: 8-12-22email: wade\_dittrich@oxy.com Telephone: (575) 390-2828**OCD Only**Received by: Jocelyn Harimon Date: 10/05/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**From:** [Sheldon Hitchcock](#)  
**To:** [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#)  
**Cc:** [David Adkins](#); [christopher\\_jones@oxy.com](mailto:christopher_jones@oxy.com)  
**Subject:** Oxy-SDS 11 Federal #001 SWD (30-015-27627) \*2RP-2859\* Work Plan  
**Date:** Friday, March 20, 2015 11:07:18 AM  
**Attachments:** 20150320101205342.pdf

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Mike,

The work plan for the Oxy SDS 11 Fed #1 SWD is attached. The release was contained to the bermed location. We did a remediation at this site in 2013 where we installed a 1-foot thick clay barrier. The clay extends from 3-feet bgs to 4-feet bgs. As you will see in the work plan the clay only comes into play at S-1 (for excavation purposes) and at S-2 (we were only able to delineate chlorides to 800 mg/kg). Please let me know if you have any questions or concerns. Thank you.

Respectfully,

**Sheldon L. Hitchcock**

Project Manager

Talon/LPE

408 West Texas Avenue

Artesia, New Mexico 88210

Phone: (575) 746-8768

Cell: (575) 689-5198

Fax: (575) 746-8905

Email: [slhitchcock@talonlpe.com](mailto:slhitchcock@talonlpe.com)

Web: [www.talonlpe.com](http://www.talonlpe.com)



Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist

Staples Foundation for Learning Hall of Fame Recipient: 2010

ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

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**From:** Patterson, Heather, EMNRD  
**To:** ["Sheldon Hitchcock"; Bratcher, Mike, EMNRD](#)  
**Cc:** [David Adkins; christopher\\_jones@oxy.com](#)  
**Subject:** RE: Oxy-SDS 11 Federal #001 SWD (30-015-27627) \*2RP-2859\* Work Plan  
**Date:** Thursday, March 26, 2015 8:35:00 AM

---

RE: Oxy \* SDS 11 Federal #001 SWD \* 30-015-27627 \*2RP-2859

Sheldon,

This work plan is approved as written. Like approval by BLM is required for this site.

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

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

Heather Patterson  
Environmental Specialist  
NMOCD District II  
Office (575)748-1283 ext.101  
Cell (575)703-0228

---

**From:** Sheldon Hitchcock [<mailto:slhitchcock@talonlpe.com>]  
**Sent:** Friday, March 20, 2015 11:04 AM  
**To:** Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD  
**Cc:** David Adkins; [christopher\\_jones@oxy.com](mailto:christopher_jones@oxy.com)  
**Subject:** Oxy-SDS 11 Federal #001 SWD (30-015-27627) \*2RP-2859\* Work Plan

Mike,

The work plan for the Oxy SDS 11 Fed #1 SWD is attached. The release was contained to the bermed location. We did a remediation at this site in 2013 where we installed a 1-foot thick clay barrier. The clay extends from 3-feet bgs to 4-feet bgs. As you will see in the work plan the clay only comes into play at S-1 (for excavation purposes) and at S-2 (we were only able to delineate chlorides to 800 mg/kg). Please let me know if you have any questions or concerns. Thank you.

Respectfully,

**Sheldon L. Hitchcock**  
Project Manager  
Talon/LPE  
408 West Texas Avenue  
Artesia, New Mexico 88210  
Phone: (575) 746-8768  
Cell: (575) 689-5198

Fax: (575) 746-8905

Email: [slhitchcock@talonlpe.com](mailto:slhitchcock@talonlpe.com)

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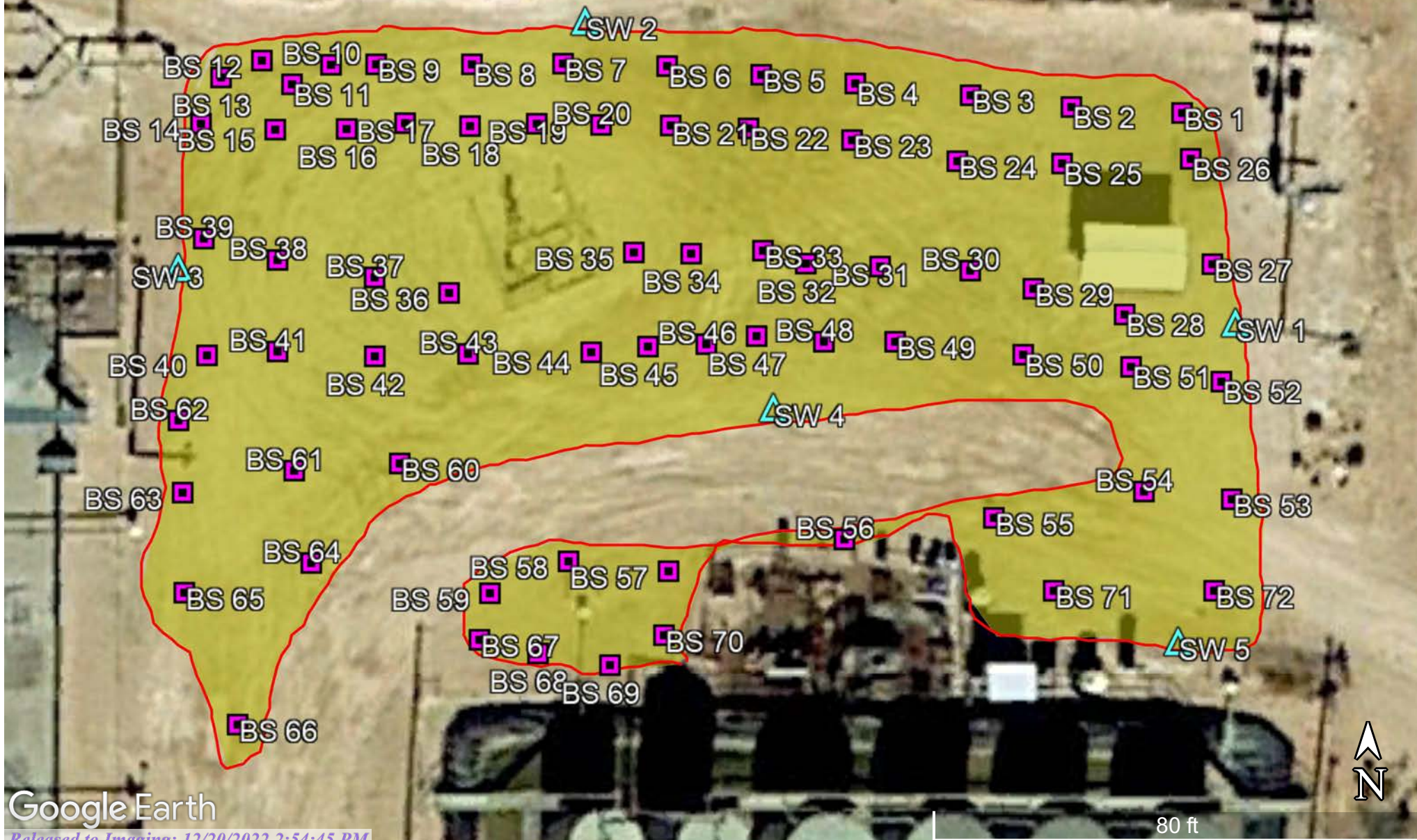


# OXY -SDS 11 FED # 1 SWD

LEAK DATE 2/22/15  
ID# nAB1506443259  
EDDY CO ,NM

## Legend

- 1FT EXCAVATION
- BOTTOM SAMPLE CONFIRMATION POINTS
- LEAK AREA
- SIDEWALL SAMPLE CONFIRMATION POINTS



SDS 11 FEDERAL 1 SWD BATT (2/22/15)

SAMPLE DATE 7/11/22-7/12/22

|            |           |             |
|------------|-----------|-------------|
| 1 BS @ 1'  | N32.23347 | W-103.75037 |
| 2 BS @ 1'  | N32.23398 | W-103.75043 |
| 3 BS @ 1'  | N32.23357 | W-103.75045 |
| 4 BS @ 1'  | N32.23350 | W-103.75052 |
| 5 BS @ 1'  | N32.23357 | W-103.75057 |
| 6 BS @ 1'  | N32.23318 | W-103.75062 |
| 7 BS @ 1'  | N32.23348 | W-103.75067 |
| 8 BS @ 1'  | N32.23346 | W-103.75073 |
| 9 BS @ 1'  | N32.23346 | W-103.75078 |
| 10 BS @ 1' | N32.23343 | W-103.75083 |
| 11 BS @ 1' | N32.23350 | W-103.75089 |
| 12 BS @ 1' | N32.23350 | W-103.75044 |
| 13 BS @ 1' | N32.23349 | W-103.75098 |
| 14 BS @ 1' | N32.23345 | W-103.75098 |
| 15 BS @ 1' | N32.23344 | W-103.75094 |
| 16 BS @ 1' | N32.23345 | W-103.75089 |
| 17 BS @ 1' | N32.23345 | W-103.75084 |
| 18 BS @ 1' | N32.23346 | W-103.75080 |
| 19 BS @ 1' | N32.23346 | W-103.75345 |
| 20 BS @ 1' | N32.23345 | W-103.75070 |
| 21 BS @ 1' | N32.23345 | W-103.75059 |
| 22 BS @ 1' | N32.23346 | W-103.75049 |
| 23 BS @ 1' | N32.23325 | W-103.75808 |
| 24 BS @ 1' | N32.23340 | W-103.75049 |
| 25 BS @ 1' | N32.23349 | W-103.75042 |
| 26 BS @ 1' | N32.23342 | W-103.75047 |
| 27 BS @ 1' | N32.23340 | W-103.75036 |
| 28 BS @ 1' | N32.23341 | W-103.75042 |
| 29 BS @ 1' | N32.23342 | W-103.75048 |
| 30 BS @ 1' | N32.23347 | W-103.75054 |
| 31 BS @ 1' | N32.23348 | w-103.75062 |
| 32 BS @ 1' | N32.23340 | W-103.75072 |
| 33 BS @ 1' | N32.23343 | W-103.75077 |
| 34 BS @ 1' | N32.23332 | W-103.75081 |
| 35 BS @ 1' | N32.23340 | W-103.75077 |
| 36 BS @ 1' | N32.23343 | W-103.75037 |
| 37 BS @ 1' | N32.23345 | W-103.75029 |
| 38 BS @ 1' | N32.23343 | W-103.75647 |
| 39 BS @ 1' | N32.23340 | W-103.75075 |
| 40 BS @ 1' | N32.23336 | W-103.75097 |
| 41 BS @ 1' | N32.23335 | W-103.75096 |
| 42 BS @ 1' | N32.23335 | W-103.75087 |
| 43 BS @ 1' | N32.23333 | W-103.75017 |
| 44 BS @ 1' | N32.23353 | W-103.75017 |



|            |           |             |
|------------|-----------|-------------|
| 45 BS @ 1' | N32.23335 | W-103.75072 |
| 46 BS @ 1' | N32.23323 | W-103.75077 |
| 47 BS @ 1' | N32.23335 | W-103.75067 |
| 48 BS @ 1' | N32.22335 | W-103.75062 |
| 49 BS @ 1' | N32.23255 | W-103.75064 |
| 50 BS @ 1' | N32.23325 | W-103.75048 |
| 51 BS @ 1' | N32.23332 | W-103.75032 |
| 52 BS @ 1' | N32.23331 | W-103.75038 |
| 53 BS @ 1' | N32.23325 | W-103.75025 |
| 54 BS @ 1' | N32.23322 | W-103.75040 |
| 55 BS @ 1' | N32.23321 | W-103.75051 |
| 56 BS @ 1' | N32.23323 | W-103.75057 |
| 57 BS @ 1' | N32.23324 | W-103.75051 |
| 58 BS @ 1' | N32.23334 | W-103.75074 |
| 59 BS @ 1' | N32.23325 | W-103.75082 |
| 60 BS @ 1' | N32.23316 | W-103.75082 |
| 61 BS @ 1' | N32.23314 | W-103.75090 |
| 62 BS @ 1' | N32.23318 | W-103.75017 |
| 63 BS @ 1' | N32.23320 | W-103.75320 |
| 64 BS @ 1' | N32.23321 | W-103.75372 |
| 65 BS @ 1' | N32.22309 | W-103.75382 |
| 66 BS @ 1' | N32.23309 | W-103.75042 |
| 67 BS @ 1' | N32.23218 | W-103.75081 |
| 68 BS @ 1' | N32.23318 | W-103.75076 |
| 69 BS @ 1' | N32.23317 | W-103.75068 |
| 70 BS @ 1' | N32.23319 | W-103.75056 |
| 71 BS @ 1' | N32.23320 | W-103.75045 |
| 72 BS @ 1' | N32.23319 | W-103.75039 |

|          |   |           |             |
|----------|---|-----------|-------------|
| SIDEWALL | 1 | N32.23342 | W-103.75038 |
| SIDEWALL | 2 | N32.23348 | W-103.75022 |
| SIDEWALL | 3 | N32.23330 | W-103.75343 |
| SIDEWALL | 4 | N32.22329 | W-103.75335 |
| SIDEWALL | 5 | N32.23307 | W-103.75080 |



[illegible][illegible][illegible]

|               | Sample ID | BS 55@1' | BS 56@1' | BS 57@1' | BS 58@1' | BS59@1' | BS 60@1' | BS 61@1' | BS 62@1' | BS63@1' | BS 64@1' | BS 65@1' | BS 66@1' | BS 67@1' | BS 68@1' | BS 69@1' | BS 70@1' | BS 71@1' | BS 72@1' |
|---------------|-----------|----------|----------|----------|----------|---------|----------|----------|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Analyte       | Date      | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22 | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22 | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22  | 7/12/22  |
|               |           | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg   | mg/kg    | mg/kg    | mg/kg    | mg/kg   | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    | mg/kg    |
| Benzene       |           | <0.050   | <0.050   | <0.050   | <0.050   | <0.050  | <0.050   | <0.050   | <0.050   | <0.050  | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   |
| Toluene       |           | <0.050   | <0.050   | <0.050   | <0.050   | <0.050  | <0.050   | <0.050   | <0.050   | <0.050  | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   |
| Ethylbenzene  |           | <0.050   | <0.050   | <0.050   | <0.050   | <0.050  | <0.050   | <0.050   | <0.050   | <0.050  | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   | <0.050   |
| Total Xylenes |           | <0.150   | <0.150   | <0.150   | <0.150   | <0.150  | <0.150   | <0.150   | <0.150   | <0.150  | <0.150   | <0.150   | <0.150   | <0.150   | <0.150   | <0.150   | <0.150   | <0.150   | <0.150   |
| Total BTEX    |           | <0.300   | <0.300   | <0.300   | <0.300   | <0.300  | <0.300   | <0.300   | <0.300   | <0.300  | <0.300   | <0.300   | <0.300   | <0.300   | <0.300   | <0.300   | <0.300   | <0.300   | <0.300   |
| Chloride      |           | <16.0    | <16.0    | <16.0    | <16.0    | <16.0   | <16.0    | <16.0    | 16.0     | 16.0    | <16.0    | <16.0    | <16.0    | <16.0    | <16.0    | <16.0    | <16.0    | <16.0    | <16.0    |
| GRO           |           | <10.0    | <10.0    | <10.0    | <10.0    | <10.0   | <10.0    | <10.0    | <10.0    | <10.0   | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    |
| DRO           |           | <10.0    | <10.0    | <10.0    | <10.0    | <10.0   | <10.0    | <10.0    | <10.0    | <10.0   | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    |
| EXT DRO       |           | <10.0    | <10.0    | <10.0    | <10.0    | <10.0   | <10.0    | <10.0    | <10.0    | <10.0   | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    |

|               | Sample ID | SW 1    | SW 2    | SW 3    | SW 4    | SW 5    |
|---------------|-----------|---------|---------|---------|---------|---------|
| Analyte       | Date      | 7/12/22 | 7/12/22 | 7/12/22 | 7/12/22 | 7/12/22 |
|               |           | mg/kg   | mg/kg   | mg/kg   | mg/kg   | mg/kg   |
| Benzene       |           | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  |
| Toluene       |           | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  |
| Ethylbenzene  |           | <0.050  | <0.050  | <0.050  | <0.050  | <0.050  |
| Total Xylenes |           | <0.150  | <0.150  | <0.150  | <0.150  | <0.150  |
| Total BTEX    |           | <0.300  | <0.300  | <0.300  | <0.300  | <0.300  |
| Chloride      |           | <16.0   | <16.0   | <16.0   | <16.0   | <16.0   |
| GRO           |           | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |
| DRO           |           | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |
| EXT DRO       |           | <10.0   | <10.0   | <10.0   | <10.0   | <10.0   |



OXY – SDS 11 FED # 1 (2/22/15)





OXY – SDS 11 FED # 1 (2/22/15)







OXY – SDS 11 FED # 1 (2/22/15)





OXY – SDS 11 FED # 1 (2/22/15)





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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July 22, 2022

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SDS 11 FEDERAL #1 SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 1 @ 1' (H223121-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTEX     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.2 % 43-149

Surrogate: 1-Chlorooctadecane 96.4 % 42.5-161

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





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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:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 2 @ 1' (H223121-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.5 % 43-149

Surrogate: 1-Chlorooctadecane 98.2 % 42.5-161

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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 3 @ 1' (H223121-03)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 95.8 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 4 @ 1' (H223121-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.9 % 43-149

Surrogate: 1-Chlorooctadecane 98.6 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 5 @ 1' (H223121-05)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 96.7 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 07/18/2022  
 Reported: 07/22/2022  
 Project Name: SDS 11 FEDERAL #1 SWD  
 Project Number: BATT (2/22/15)  
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 6 @ 1' (H223121-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 7 @ 1' (H223121-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 98.7 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 8 @ 1' (H223121-08)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 99.6 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 9 @ 1' (H223121-09)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 112 % 43-149

Surrogate: 1-Chlorooctadecane 119 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 10 @ 1' (H223121-10)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 113 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 11 @ 1' (H223121-11)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.9 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 12 @ 1' (H223121-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 13 @ 1' (H223121-13)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 14 @ 1' (H223121-14)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 42.5-161

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\*=Accredited Analyte

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





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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:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 15 @ 1' (H223121-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 96.8 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 16 @ 1' (H223121-16)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 99.6 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 17 @ 1' (H223121-17)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 115 % 42.5-161

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 18 @ 1' (H223121-18)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 95.7 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 19 @ 1' (H223121-19)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.3 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 20 @ 1' (H223121-20)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH/ |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank     | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.09 | 105        | 2.00          | 8.82 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND               | 2.17 | 109        | 2.00          | 8.65 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND               | 2.19 | 110        | 2.00          | 8.16 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND               | 6.70 | 112        | 6.00          | 7.59 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND               |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 193 | 96.4       | 200           | 0.00 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 183 | 91.4       | 200           | 1.67 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 92.1 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 21 @ 1' (H223121-21)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 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            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 77.5 % 43-149

Surrogate: 1-Chlorooctadecane 85.6 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 22 @ 1' (H223121-22)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.2 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 23 @ 1' (H223121-23)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.7 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 24 @ 1' (H223121-24)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.6 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 25 @ 1' (H223121-25)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 95.3 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 26 @ 1' (H223121-26)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/11/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 27 @ 1' (H223121-27)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.2 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 28 @ 1' (H223121-28)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.0 % 43-149

Surrogate: 1-Chlorooctadecane 94.1 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 29 @ 1' (H223121-29)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.7 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 30 @ 1' (H223121-30)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.7 % 43-149

Surrogate: 1-Chlorooctadecane 96.5 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 31 @ 1' (H223121-31)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.0 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 32 @ 1' (H223121-32)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 86.0 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 33 @ 1' (H223121-33)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 92.8 % 42.5-161

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



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 34 @ 1' (H223121-34)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.7 % 43-149

Surrogate: 1-Chlorooctadecane 89.5 % 42.5-161

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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 35 @ 1' (H223121-35)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.4 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 36 @ 1' (H223121-36)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 95.2 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 37 @ 1' (H223121-37)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTX      | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.1 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 38 @ 1' (H223121-38)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 92.1 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 39 @ 1' (H223121-39)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 1.94 | 97.0       | 2.00          | 1.70  |           |  |
| Toluene*       | <0.050 | 0.050           | 07/20/2022 | ND              | 2.17 | 109        | 2.00          | 0.518 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/20/2022 | ND              | 2.11 | 105        | 2.00          | 1.20  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/20/2022 | ND              | 6.66 | 111        | 6.00          | 1.28  |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/20/2022 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 40 @ 1' (H223121-40)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 179 | 89.6       | 200           | 2.58 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 186 | 93.2       | 200           | 2.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 83.8 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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\*=Accredited Analyte

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



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/22/2022  
 Project Name: SDS 11 FEDERAL #1 SWD  
 Project Number: BATT (2/22/15)  
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 41 @ 1' (H223121-41)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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*      | <10.0  | 10.0            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.6 % 43-149

Surrogate: 1-Chlorooctadecane 82.7 % 42.5-161

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 42 @ 1' (H223121-42)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.8 % 42.5-161

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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 43 @ 1' (H223121-43)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 79.8 % 43-149

Surrogate: 1-Chlorooctadecane 74.2 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 44 @ 1' (H223121-44)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.2 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 45 @ 1' (H223121-45)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.3 % 43-149

Surrogate: 1-Chlorooctadecane 81.7 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 46 @ 1' (H223121-46)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.8 % 42.5-161

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



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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 47 @ 1' (H223121-47)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 80.7 % 42.5-161

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**Analytical Results For:**

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 48 @ 1' (H223121-48)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 49 @ 1' (H223121-49)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.5 % 43-149

Surrogate: 1-Chlorooctadecane 74.6 % 42.5-161

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**Analytical Results For:**

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 50 @ 1' (H223121-50)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.0 % 43-149

Surrogate: 1-Chlorooctadecane 78.7 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 51 @ 1' (H223121-51)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.5 % 43-149

Surrogate: 1-Chlorooctadecane 84.9 % 42.5-161

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|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 52 @ 1' (H223121-52)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.8 % 43-149

Surrogate: 1-Chlorooctadecane 77.0 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 53 @ 1' (H223121-53)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.5 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 54 @ 1' (H223121-54)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 80.0 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 55 @ 1' (H223121-55)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.5 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 56 @ 1' (H223121-56)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.1 % 43-149

Surrogate: 1-Chlorooctadecane 84.4 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 57 @ 1' (H223121-57)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.6 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 58 @ 1' (H223121-58)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 95.6 % 43-149

Surrogate: 1-Chlorooctadecane 88.4 % 42.5-161

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 59 @ 1' (H223121-59)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.08 | 104        | 2.00          | 3.38 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.33 | 117        | 2.00          | 4.86 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.26 | 113        | 2.00          | 3.21 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 7.12 | 119        | 6.00          | 3.28 |           |  |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 98.3 % 43-149

Surrogate: 1-Chlorooctadecane 88.2 % 42.5-161

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\*=Accredited Analyte

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





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 60 @ 1' (H223121-60)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 197 | 98.4       | 200           | 1.23 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 209 | 104        | 200           | 1.70 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 61 @ 1' (H223121-61)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 96.0 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 62 @ 1' (H223121-62)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 94.5 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 63 @ 1' (H223121-63)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 94.3 % 42.5-161

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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: 07/18/2022  
 Reported: 07/22/2022  
 Project Name: SDS 11 FEDERAL #1 SWD  
 Project Number: BATT (2/22/15)  
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 64 @ 1' (H223121-64)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 93.7 % 43-149

Surrogate: 1-Chlorooctadecane 98.4 % 42.5-161

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 Fax To: (575) 397-0397

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 65 @ 1' (H223121-65)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 84.0 % 42.5-161

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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: 07/18/2022  
 Reported: 07/22/2022  
 Project Name: SDS 11 FEDERAL #1 SWD  
 Project Number: BATT (2/22/15)  
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM SAMPLE 66 @ 1' (H223121-66)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |  |
| Total BTEX     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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\*=Accredited Analyte

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





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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 67 @ 1' (H223121-67)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 68 @ 1' (H223121-68)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 93.0 % 43-149

Surrogate: 1-Chlorooctadecane 98.7 % 42.5-161

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 69 @ 1' (H223121-69)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |  |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |  |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 98.1 % 42.5-161

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**Analytical Results For:**

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

|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 70 @ 1' (H223121-70)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 96.5 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 71 @ 1' (H223121-71)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.5 % 42.5-161

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**Analytical Results For:**

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|                   |                       |                     |                |
|-------------------|-----------------------|---------------------|----------------|
| Received:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: BOTTOM SAMPLE 72 @ 1' (H223121-72)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTEx     | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 95.1 % 42.5-161

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\*=Accredited Analyte

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/22/2022  
 Project Name: SDS 11 FEDERAL #1 SWD  
 Project Number: BATT (2/22/15)  
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 1 (H223121-73)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 90.3 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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



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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: SW 2 (H223121-74)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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





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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: 07/18/2022  
 Reported: 07/22/2022  
 Project Name: SDS 11 FEDERAL #1 SWD  
 Project Number: BATT (2/22/15)  
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 3 (H223121-75)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 95.6 % 43-149

Surrogate: 1-Chlorooctadecane 99.9 % 42.5-161

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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:         | 07/18/2022            | Sampling Date:      | 07/12/2022     |
| Reported:         | 07/22/2022            | Sampling Type:      | Soil           |
| Project Name:     | SDS 11 FEDERAL #1 SWD | Sampling Condition: | Cool & Intact  |
| Project Number:   | BATT (2/22/15)        | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, NM       |                     |                |

**Sample ID: SW 4 (H223121-76)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 96.2 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

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

Received: 07/18/2022  
 Reported: 07/22/2022  
 Project Name: SDS 11 FEDERAL #1 SWD  
 Project Number: BATT (2/22/15)  
 Project Location: EDDY COUNTY, NM

Sampling Date: 07/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW 5 (H223121-77)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.06 | 103        | 2.00          | 8.01 |           |
| Toluene*       | <0.050 | 0.050           | 07/21/2022 | ND              | 2.28 | 114        | 2.00          | 9.82 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 07/21/2022 | ND              | 2.18 | 109        | 2.00          | 9.66 |           |
| Total Xylenes* | <0.150 | 0.150           | 07/21/2022 | ND              | 6.81 | 114        | 6.00          | 9.78 |           |
| Total BTX      | <0.300 | 0.300           | 07/21/2022 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: GM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 07/20/2022 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| 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            | 07/20/2022 | ND              | 181 | 90.6       | 200           | 5.23    |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 07/20/2022 | ND              | 178 | 88.9       | 200           | 0.00282 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 07/20/2022 | ND              |     |            |               |         |           |

Surrogate: 1-Chlorooctane 98.2 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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### Notes and Definitions

|     |  |
|-----|--|
| ND  | Analyte NOT DETECTED at or above the reporting limit   |
| RPD | Relative Percent Difference  |
| **  | Samples not received at proper temperature of 6°C or below.  |
| *** | Insufficient time to reach temperature.  |
| -   | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Mike Snyder".

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



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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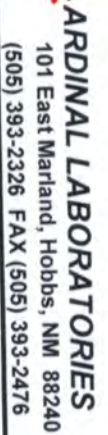


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**ARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: BBC International, Inc.             |                       |                   |              | BILL TO      |         |          |         | ANALYSIS REQUEST |          |      |     |     |
|---|-----------------------|-------------------|--------------|--------------|---------|----------|---------|------------------|----------|------|-----|-----|
| Project Manager: Cliff Brunson                    |                       |                   |              | P.O. #:      |         |          |         |                  |          |      |     |     |
| Address: P.O. Box 805                             |                       |                   |              | Company: Oxy |         |          |         |                  |          |      |     |     |
| City: Hobbs                                       |                       |                   |              | Attn:        |         |          |         |                  |          |      |     |     |
| Phone #: 575-397-6388                             |                       |                   |              | Address:     |         |          |         |                  |          |      |     |     |
| Fax #: 575-397-0397                               |                       |                   |              | City:        |         |          |         |                  |          |      |     |     |
| Project #:  |                       |                   |              | State:       |         |          |         |                  |          |      |     |     |
| Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15) |                       |                   |              | Zip:         |         |          |         |                  |          |      |     |     |
| Project Location: New Mexico                      |                       |                   |              | Phone #:     |         |          |         |                  |          |      |     |     |
| Fax #:  |                       |                   |              |              |         |          |         |                  |          |      |     |     |
| Sampler Name: SIMON RENDON                        |                       |                   |              |              |         |          |         |                  |          |      |     |     |
| FOR LAB USE ONLY                                  |                       |                   |              |              |         |          |         |                  |          |      |     |     |
| Lab I.D.  | Sample I.D.           | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX       | PRESERV | SAMPLING | DATE    | TIME             | Chloride | BTEX | TPH | EXT |
| H223121   | BOTTOM SAMPLE 41 @ 1' | 6                 | 1            | GROUNDWATER  |         |          | 7/12/22 | 12:38PM          | ✓        | ✓    | ✓   | ✓   |
| 42  | BOTTOM SAMPLE 42 @ 1' |                   |              | WASTEWATER   |         |          | 7/12/22 | 12:48PM          | ✓        | ✓    | ✓   | ✓   |
| 43  | BOTTOM SAMPLE 43 @ 1' |                   |              | SOIL         |         |          | 7/12/22 | 12:56PM          | ✓        | ✓    | ✓   | ✓   |
| 44  | BOTTOM SAMPLE 44 @ 1' |                   |              | OIL          |         |          | 7/12/22 | 1:08PM           | ✓        | ✓    | ✓   | ✓   |
| 45  | BOTTOM SAMPLE 45 @ 1' |                   |              | SLUDGE       |         |          | 7/12/22 | 1:16PM           | ✓        | ✓    | ✓   | ✓   |
| 46  | BOTTOM SAMPLE 46 @ 1' |                   |              | OTHER :      |         |          | 7/12/22 | 1:27PM           | ✓        | ✓    | ✓   | ✓   |
| 47  | BOTTOM SAMPLE 47 @ 1' |                   |              | ACID/BASE:   |         |          | 7/12/22 | 1:35PM           | ✓        | ✓    | ✓   | ✓   |
| 48  | BOTTOM SAMPLE 48 @ 1' |                   |              | ICE / COOL   |         |          | 7/12/22 | 1:43PM           | ✓        | ✓    | ✓   | ✓   |
| 49  | BOTTOM SAMPLE 49 @ 1' |                   |              | OTHER :      |         |          | 7/12/22 | 1:49PM           | ✓        | ✓    | ✓   | ✓   |
| 50  | BOTTOM SAMPLE 50 @ 1' |                   |              |              |         |          | 7/12/22 | 1:56PM           | ✓        | ✓    | ✓   | ✓   |

PLEASE NOTE: 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:             | Date: 7-18-22 | Received By:  | Date: 7-18-22           |
| Time: 1:00 PM                |               | Time: 1:00 PM   |                         |
| Relinquished By: [Signature] |               | Received By: [Signature]                                      |                         |
| Delivered By: (Circle One)   | 0.985 P.O. 6  | Sample Condition  | Checked By: [Signature] |
| Sampler - UPS - Bus - Other: | 0.36 #113     | Cool <input type="checkbox"/> Intact <input type="checkbox"/> | (Initials)              |
|                              |               | Yes <input type="checkbox"/> No <input type="checkbox"/>      |                         |

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





**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.             |                       |                  |              | <b>BILL TO</b> |            |            |     | ANALYSIS REQUEST |         |         |  |         |        |          |       |         |
|---|-----------------------|------------------|--------------|----------------|------------|------------|-----|------------------|---------|---------|--|---------|--------|----------|-------|---------|
| Project Manager: Cliff Brunson                    |                       |                  |              | P.O. #:        |            |            |     |                  |         |         |  |         |        |          |       |         |
| Address: P.O. Box 805                             |                       |                  |              | Company: Oxy   |            |            |     |                  |         |         |  |         |        |          |       |         |
| City: Hobbs                                       |                       |                  |              | Attn:          |            |            |     |                  |         |         |  |         |        |          |       |         |
| State: NM zip: 88241                              |                       |                  |              |                |            |            |     |                  |         |         |  |         |        |          |       |         |
| Phone #: 575-397-6388                             |                       |                  |              | Address:       |            |            |     |                  |         |         |  |         |        |          |       |         |
| Fax #: 575-397-0397                               |                       |                  |              | City:          |            |            |     |                  |         |         |  |         |        |          |       |         |
| Project #: Project Owner: Oxy                     |                       |                  |              | State:         |            |            |     |                  |         |         |  |         |        |          |       |         |
| Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15) |                       |                  |              | Zip:           |            |            |     |                  |         |         |  |         |        |          |       |         |
| Project Location: New Mexico                      |                       |                  |              | Phone #:       |            |            |     |                  |         |         |  |         |        |          |       |         |
| Fax #:  |                       |                  |              |                |            |            |     |                  |         |         |  |         |        |          |       |         |
| Sample Name: SIMON RENDON                         |                       |                  |              | PRESERV        |            |            |     | SAMPLING         |         |         |  |         |        |          |       |         |
| FOR LAB USE ONLY                                  |                       |                  |              |                |            |            |     |                  |         |         |  |         |        |          |       |         |
| Lab I.D.  | Sample I.D.           | (G)RAB OR (C)OMP | # CONTAINERS | MATRIX         |            | ACID/BASE: |     | ICE / COOL       |         | OTHER : |  | DATE    | TIME   | Chloride | BT EX | TPH EXT |
| 51  | BOTTOM SAMPLE 51 @ 1' | 6                | 1            | GROUNDWATER    | WASTEWATER | SOIL       | OIL | SLUDGE           | OTHER : |         |  | 7/12/22 | 2:04PM | ✓        | ✓     | ✓       |
| 52  | BOTTOM SAMPLE 52 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:10PM | ✓        | ✓     | ✓       |
| 53  | BOTTOM SAMPLE 53 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:17PM | ✓        | ✓     | ✓       |
| 54  | BOTTOM SAMPLE 54 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:23PM | ✓        | ✓     | ✓       |
| 55  | BOTTOM SAMPLE 55 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:30PM | ✓        | ✓     | ✓       |
| 56  | BOTTOM SAMPLE 56 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:38PM | ✓        | ✓     | ✓       |
| 57  | BOTTOM SAMPLE 57 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:45PM | ✓        | ✓     | ✓       |
| 58  | BOTTOM SAMPLE 58 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:51PM | ✓        | ✓     | ✓       |
| 59  | BOTTOM SAMPLE 59 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 2:58PM | ✓        | ✓     | ✓       |
| 60  | BOTTOM SAMPLE 60 @ 1' |                  |              |                |            |            |     |                  |         |         |  | 7/12/22 | 3:07PM | ✓        | ✓     | ✓       |

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim 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, 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 of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal.

|   |                             |   |   |
|---|-----------------------------|---|---|
| Relinquished By: <i>[Signature]</i>             | Date: 7-10-22               | Received By: <i>[Signature]</i>   | Date: 7-10-22                                       |
| Relinquished By: <i>[Signature]</i>             | Date: 7-10-22               | Received By: <i>[Signature]</i>   | Date: 7-10-22                                       |
| Delivered By: (Circle One) <i>[Signature]</i>   | Time: 7:40                  | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY: <i>[Signature]</i> (Initials) <i>YB</i> |
| Sampler - UPS - Bus - Other: <i>[Signature]</i> | Time: 0.92 C.O.C. 0.32 #113 |   |   |

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ARDINAL LABORATORIES

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|   |  |  |  |  |                         |              |      |       |  |  |
|---|--|--|--|--|-------------------------|--------------|------|-------|--|--|
| <b>BILL TO</b>                                    |  |  |  |  | <b>ANALYSIS REQUEST</b> |              |      |       |  |  |
| Company Name: BBC International, Inc.             |  |  |  |  | P.O. #:                 |              |      |       |  |  |
| Project Manager: Cliff Brunson                    |  |  |  |  | Company:                | Oxy          |      |       |  |  |
| Address: P.O. Box 805                             |  |  |  |  | Attn:                   |              |      |       |  |  |
| City: Hobbs                                       |  |  |  |  | State:                  | NM           | Zip: | 88241 |  |  |
| Phone #: 575-397-6388                             |  |  |  |  | Fax #:                  | 575-397-0397 |      |       |  |  |
| Project #:  |  |  |  |  | Project Owner:          | Oxy          |      |       |  |  |
| Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15) |  |  |  |  | City:                   |              |      |       |  |  |
| Project Location: New Mexico                      |  |  |  |  | State:                  |              | Zip: |       |  |  |
| Sample Name: SIMON RENDON                         |  |  |  |  | Phone #:                |              |      |       |  |  |
| FOR LAB USE ONLY                                  |  |  |  |  | Fax #:                  |              |      |       |  |  |

| Lab I.D. | Sample I.D.           | (G)RAB OR (C)OMP.<br># CONTAINERS | MATRIX      |            |      |     |        |         | DATE    | TIME   |   |         |  |  |  |  |  |  |  |            |
|----------|-----------------------|-----------------------------------|-------------|------------|------|-----|--------|---------|---------|--------|---|---------|--|--|--|--|--|--|--|------------|
|          |                       |                                   | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |         |        |   |         |  |  |  |  |  |  |  | ACID/BASE: |
| #A33121  | BOTTOM SAMPLE 61 @ 1' | G                                 |             |            |      |     |        |         | 7/12/22 | 3:12PM | ✓ | Chloro  |  |  |  |  |  |  |  |            |
| 41       | BOTTOM SAMPLE 62 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 3:19PM | ✓ | BT EX   |  |  |  |  |  |  |  |            |
| 42       | BOTTOM SAMPLE 63 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 3:26PM | ✓ | TPH EXT |  |  |  |  |  |  |  |            |
| 43       | BOTTOM SAMPLE 64 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 3:32PM | ✓ |         |  |  |  |  |  |  |  |            |
| 44       | BOTTOM SAMPLE 65 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 3:40PM | ✓ |         |  |  |  |  |  |  |  |            |
| 45       | BOTTOM SAMPLE 66 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 3:46PM | ✓ |         |  |  |  |  |  |  |  |            |
| 46       | BOTTOM SAMPLE 67 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 3:52PM | ✓ |         |  |  |  |  |  |  |  |            |
| 47       | BOTTOM SAMPLE 68 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 4:04PM | ✓ |         |  |  |  |  |  |  |  |            |
| 48       | BOTTOM SAMPLE 69 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 4:10PM | ✓ |         |  |  |  |  |  |  |  |            |
| 49       | BOTTOM SAMPLE 70 @ 1' |                                   |             |            |      |     |        |         | 7/12/22 | 4:15PM | ✓ |         |  |  |  |  |  |  |  |            |

Please Note: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising under 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 lease, 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. Separability of whether such claim is based upon any of the above stated reasons or otherwise.

|   |  |  |   |                                      |
|---|--|--|---|--------------------------------------|
| Reinquinshed By: [Signature]  |  | Date: 7/12/22  | Received By: [Signature]  | Date: 7/12/22                        |
| Delivered By: (Circle One)<br><input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other |  | Time: 10:40 AM   | Sample Condition:<br><input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact | CHECKED BY: [Initials]<br>(Initials) |
| REMARKS:  |  | 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 #:  |                                      |





CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|   |  |                       |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
|---|--|-----------------------|--|-------------------|--|--------------|--|---------------------------------|--|------------|--|---------------|--|-----|--|--------------|--|---------|--|---|--|------------|--|--------------------------------|--|----------|--|--|--|----------|--|--|--|---------|--|
| Company Name: BBC International, Inc.             |  |                       |  | <b>BILL TO</b>    |  |              |  | ANALYSIS REQUEST                |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Project Manager: Cliff Brunson                    |  |                       |  | P.O. #:           |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Address: P.O. Box 805                             |  |                       |  | Company: Oxy      |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| City: Hobbs                                       |  |                       |  | Attn:             |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| State: NM Zip: 88241                              |  |                       |  | Address:          |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Phone #: 575-397-6388 Fax #: 575-397-0397         |  |                       |  | City:             |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Project #:  |  |                       |  | State: Zip:       |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15) |  |                       |  | Phone #:          |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Project Location: New Mexico                      |  |                       |  | Fax #:            |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Sampler Name: SIMON RENDON                        |  |                       |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| FOR LAB USE ONLY                                  |  |                       |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  |          |  |  |  |          |  |  |  |         |  |
| Lab I.D.  |  | Sample I.D.           |  | (G)RAB OR (C)OMP. |  | # CONTAINERS |  | GROUNDWATER                     |  | WASTEWATER |  | SOIL          |  | OIL |  | SLUDGE       |  | OTHER : |  | ACID/BASE:  |  | ICE / COOL |  | OTHER :                        |  | DATE     |  | TIME   |  | Chloride |  | BTEX   |  | TPH/EXT |  |
| H203021   |  | BOTTOM SAMPLE 71 @ 1' |  | 6                 |  | 1            |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  | 7/1/2022 |  | 4:15PM   |  | ✓        |  | ✓  |  | ✓       |  |
| 71  |  | BOTTOM SAMPLE 72 @ 1' |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  | 7/1/2022 |  | 4:22PM   |  | ✓        |  | ✓  |  | ✓       |  |
| 73  |  | SW 1                  |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  | 7/1/2022 |  | 4:28PM   |  | ✓        |  | ✓  |  | ✓       |  |
| 74  |  | SW 2                  |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  | 7/1/2022 |  | 4:35PM   |  | ✓        |  | ✓  |  | ✓       |  |
| 75  |  | SW 3                  |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  | 7/1/2022 |  | 4:42PM   |  | ✓        |  | ✓  |  | ✓       |  |
| 76  |  | SW 4                  |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  | 7/1/2022 |  | 4:52PM   |  | ✓        |  | ✓  |  | ✓       |  |
| 77  |  | SW 5                  |  |                   |  |              |  |                                 |  |            |  |               |  |     |  |              |  |         |  |   |  |            |  |                                |  | 7/1/2022 |  | 4:57PM   |  | ✓        |  | ✓  |  | ✓       |  |
| Relinquished By: <i>[Signature]</i>               |  |                       |  | Date: 7-18-22     |  |              |  | Received By: <i>[Signature]</i> |  |            |  | Date: 7-18-22 |  |     |  | Time: 8:00am |  |         |  | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No |  |            |  | CHECKED BY: <i>[Signature]</i> |  |          |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: |  |          |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: |  |         |  |
| Relinquished By: <i>[Signature]</i>               |  |                       |  | Date: 7-18-22     |  |              |  | Received By: <i>[Signature]</i> |  |            |  | Date: 7-18-22 |  |     |  | Time: 10:40  |  |         |  | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No |  |            |  | CHECKED BY: <i>[Signature]</i> |  |          |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: |  |          |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: |  |         |  |
| Delivered By: (Circle One) <i>[Signature]</i>     |  |                       |  | Date: 7-18-22     |  |              |  | Received By: <i>[Signature]</i> |  |            |  | Date: 7-18-22 |  |     |  | Time: 10:40  |  |         |  | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No |  |            |  | CHECKED BY: <i>[Signature]</i> |  |          |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: |  |          |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: |  |         |  |
| Sampler - UPS - Bus - Other: <i>[Signature]</i>   |  |                       |  | Date: 7-18-22     |  |              |  | Received By: <i>[Signature]</i> |  |            |  | Date: 7-18-22 |  |     |  | Time: 10:40  |  |         |  | Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No |  |            |  | CHECKED BY: <i>[Signature]</i> |  |          |  | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: |  |          |  | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: |  |         |  |

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



March 20, 2015

Mr. Mike Bratcher  
**NMOCD District 2**

AMARILLO  
 921 North Bivins  
 Amarillo, Texas 79107  
 Phone 806.467.0607  
 Fax 806.467.0622

811 S. 1<sup>st</sup> Street  
 Artesia, NM 88210

Subject: **Soil Assessment and Remediation Work Plan**  
 Oxy Permian LTD  
 SDS 11 Federal #001 SWD  
 30-015-27627 (2RP-2859)

ARTESIA  
 408 West Texas Ave.  
 Artesia, New Mexico 88210  
 Phone 575.746.8768  
 Fax 575.746.8905

Dear Mr. Bratcher,

HOBBS  
 318 East Taylor Street  
 Hobbs, New Mexico 88240  
 Phone 575.393.4261  
 Fax 575.393.4658

Oxy Permian (Oxy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

#### **Incident Date**

MIDLAND  
 2901 State Hwy 349  
 Midland, Texas 79706  
 Phone 432.522.2133  
 Fax 432.522.2180

The release was discovered on February 22, 2015

#### **Background Information**

OKLAHOMA CITY  
 7700 North Hudson Avenue  
 Suite 10  
 Oklahoma City, Oklahoma 73116  
 Phone 405.486.7030  
 Fax 806.467.0622

The SDS 11 Federal 1 SWD Battery is located approximately forty (40) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 11, Township 24 South and Range 31 East in Eddy County, New Mexico. More specifically, the latitude and longitude for the release are 32.23339 North and -103.750704 West. A site plan is presented in [Appendix I](#).

SAN ANTONIO  
 13111 Lookout Way  
 San Antonio, Texas 78233  
 Phone 210.265.8025  
 Fax 210.568.2191

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service, the soil in this area is made up of Berino complex with 0 to 3 percent slopes, eroded. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology, Quaternary Age sedimentary deposits is comprised of alluvium and eolian sands which includes fine sandy loam underlain by sandy clay loam and hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S2-T24S-R31E. The ground water in Section 2 is reported to be at depth of 205' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is **0** based on the as following:

ENVIRONMENTAL CONSULTING  
 ENGINEERING  
 DRILLING  
 CONSTRUCTION  
 SPILL MANAGEMENT  
 GENERAL CONTRACTING

Depth to ground water >100'  
 Wellhead Protection Area >1000'  
 Distance to surface water body >1000'

Toll Free: 866.742.0742  
[www.talonlpe.com](http://www.talonlpe.com)



## Incident Description

On February 22, 2015 high pressures on a pump caused the plunger packing to loosen from the over pressure causing a release of 44bbls of produced water on the SDS 11 Fed #1 location, no fluids were recovered. All of the fluid was contained within the berms of the location.

Talon mobilized personnel to conduct a site assessment and perform soil sampling within the impacted area. Talon also conducted a remediation on this site in November of 2013 (2RP-1704). As part of the OCD & BLM approved remediation strategy at this site a 1-foot thick clay barrier was installed at a depth of 3-feet bgs to encapsulate the remaining chloride impacted from this release. In order to preserve the integrity of the clay liner Talon personnel utilized a hand auger to vertically delineate the site to the top of the clay at a depth of 3-feet bgs. Results from our soil sampling activities are summarized in the table below.

## Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

| Sample ID | Depth (feet) | BTEX (mg/kg) | Chlorides (mg/kg) | TPH (mg/kg) GRO | TPH (mg/kg) DRO |
|-----------|--------------|--------------|-------------------|-----------------|-----------------|
| S-1       | 0            | ND           | 32000             | ND              | ND              |
| S-1       | 1            | ND           | 3160              | ND              | ND              |
| S-1       | 2            | --           | ND                | --              | --              |
| S-1       | 3            | --           | 1660              | --              | --              |
| S-2       | 0            | ND           | 40000             | ND              | ND              |
| S-2       | 1            | ND           | 5120              | ND              | ND              |
| S-2       | 2            | --           | 832               | --              | --              |
| S-2       | 3            | --           | 800               | --              | --              |
| S-3       | 0            | ND           | 32000             | ND              | ND              |
| S-3       | 1            | ND           | 3400              | ND              | ND              |
| S-3       | 2            | --           | 1120              | ND              | ND              |
| S-3       | 3            | --           | 176               | --              | --              |

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, and 5,000 mg/kg for TPH.


### Proposed Remedial Actions

- The impacted area in the vicinity of sample location S-1 will be excavated to a maximum depth of 3-feet bgs. While excavating care will be taken to protect the integrity of the clay liner.
- The impacted area in the vicinity of S-2 and S-3 will be excavated to a depth of 2-feet bgs.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with caliche and contoured to match the surrounding location.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

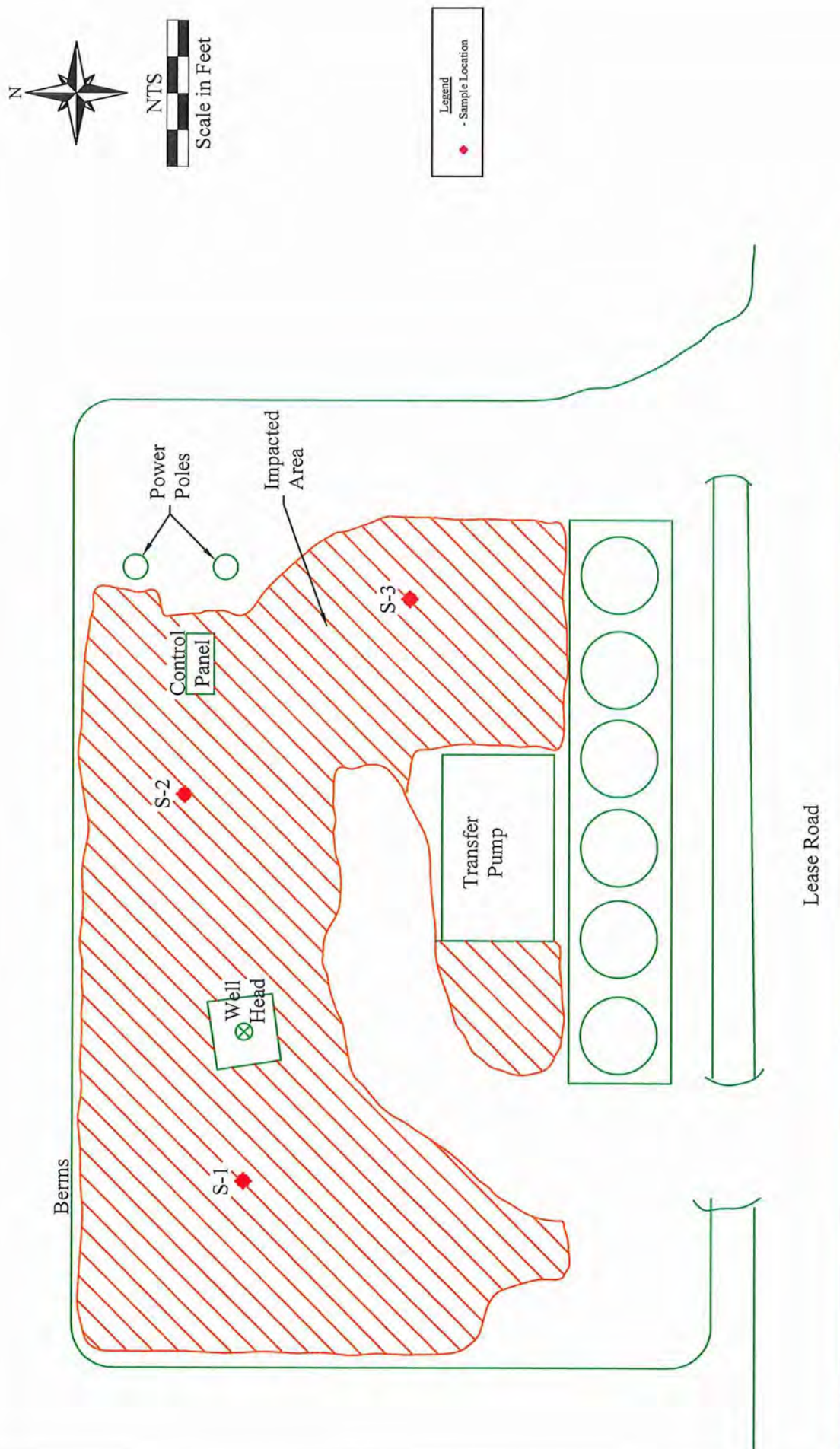
Respectfully submitted,

  
Sheldon Hitchcock  
Project Manager

  
David J. Adkins  
District Manager

## **SITE PLAN**





SDS 11 Federal 1 SWD Battery  
Oxy - NM - North  
Eddy County, New Mexico  
Figure 1 - Site Plan

Date: 02/27/2015

Scale: NTS

Drawn By: TJS



**GROUNDWATER DATA**  
**INITIAL C-141**



# 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 |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">C 02460</a>      | C            | ED    |        | 3    | 02   | 24S | 31E |     |     | 617496 | 3568022* | 1529     | 320        |             |              |
| <a href="#">C 02460 POD2</a> | C            | ED    |        | 3    | 02   | 24S | 31E |     |     | 617496 | 3568022* | 1529     | 320        |             |              |
| <a href="#">C 02464</a>      | C            | ED    |        | 3    | 4    | 1   | 02  | 24S | 31E | 617589 | 3568530* | 1977     | 320        | 205         | 115          |

Average Depth to Water: 205 feet

Minimum Depth: 205 feet

Maximum Depth: 205 feet

Record Count: 3

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 618114

Northing (Y): 3566623

Radius: 2000

\*UTM location was derived from PLSS - see Help

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.

3/16/15 3:12 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



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

## NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

MAR 04 2015

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

**NAB1506443259**

|   |                |  |                                       |
|---|----------------|--|---------------------------------------|
| <b>OPERATOR</b>                                 |                | <input checked="" type="checkbox"/> Initial Report | <input type="checkbox"/> Final Report |
| Name of Company: Oxy Permian LTD (192463) 16694 |                | Contact: Chris Jones                               |                                       |
| Address: 102 S. Main St. Carlsbad, NM 88220     |                | Telephone No.: 575-628-4121                        |                                       |
| Facility Name: SDS 11 Federal #1 SWD Battery    |                | Facility Type: SWD                                 |                                       |
| Surface Owner: Federal                          | Mineral Owner: | API No.: Lease #: 30-015-27627                     |                                       |

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| F           | 11      | 24S      | 31E   | 2090'         | North            | 1980'         | West           | Eddy   |

Latitude 32.23339 N Longitude -103.75070 W

## NATURE OF RELEASE

|  |   |                                       |
|--|---|---------------------------------------|
| Type of Release: Produced Water  | Volume of Release: 44 bbls                | Volume Recovered: 0 bbls              |
| Source of Release: Triplex Pump failed   | Date and Hour of Occurrence<br>2/22/15    | Date and Hour of Discovery<br>2/22/15 |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          |                                       |
| By Whom?   | Date and Hour:                            |                                       |
| Was a Watercourse Reached?<br><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.\* High pressure on the triplex pump 2 caused the plunger packing to loosen from over pressure causing a release of 44 bbls of produced water inside the facility. No fluids were recovered and did the release not leave the location. Talon/LPE was contracted to perform an initial site assessment and soil sampling.

Describe Area Affected and Cleanup Action Taken.\* The release remained within the facility and on the location.

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: Chris Jones<br><small>Digitally signed by Chris Jones<br/>DN: cn=Chris Jones, o=Oxy,<br/>email=ckjones88@yahoo.com,<br/>c=US,<br/>Date: 2015.02.27 14:20:10 -0600</small> | OIL CONSERVATION DIVISION   |                                   |
| Printed Name: Chris Jones  | Approved by Environmental Specialist:  |                                   |
| Title: HES Specialist  | Approval Date: 3/6/15   | Expiration Date: N/A              |
| E-mail Address: Christopher.Jones@oxy.com  | Conditions of Approval:   | Attached <input type="checkbox"/> |
| Date: 2/27/2015 Phone: 575-628-4121  | Remediation per O.C.D. Rules & Guidelines<br>SUBMIT REMEDIATION PROPOSAL NO<br>LATER THAN: 4/6/15                           |                                   |

\* Attach Additional Sheets If Necessary

2RP-2859

## **LABORATORY RESULTS**



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

March 06, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SDS 11 FED #1 SWD (#2)

Enclosed are the results of analyses for samples received by the laboratory on 03/03/15 7:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/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". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

|                   |                        |                     |               |
|-------------------|------------------------|---------------------|---------------|
| Received:         | 03/03/2015             | Sampling Date:      | 02/26/2015    |
| Reported:         | 03/06/2015             | Sampling Type:      | Soil          |
| Project Name:     | SDS 11 FED #1 SWD (#2) | Sampling Condition: | Cool & Intact |
| Project Number:   | 700608.417.01          | Sample Received By: | Mike Snyder   |
| Project Location: | NOT GIVEN              |                     |               |

**Sample ID: S-1 0' (H500581-01)**

| 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           | 03/05/2015 | ND              | 2.04 | 102        | 2.00          | 1.08  |           |
| Toluene*       | <b>0.055</b> | 0.050           | 03/05/2015 | ND              | 1.83 | 91.4       | 2.00          | 1.15  |           |
| Ethylbenzene*  | <0.050       | 0.050           | 03/05/2015 | ND              | 2.05 | 103        | 2.00          | 1.03  |           |
| Total Xylenes* | <0.150       | 0.150           | 03/05/2015 | ND              | 5.47 | 91.2       | 6.00          | 0.645 |           |
| Total BTEX     | <0.300       | 0.300           | 03/05/2015 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIC) 87.3 % 61-154

| Chloride, SM4500Cl-B |              | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result       | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <b>32000</b> | 16.0            | 03/03/2015 | 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            | 03/03/2015 | ND              | 180 | 90.0       | 200           | 1.71 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 03/03/2015 | ND              | 175 | 87.5       | 200           | 5.84 |           |

Surrogate: 1-Chlorooctane 87.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 88.9 % 52.1-176

Cardinal Laboratories

\*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

|                   |                        |                     |               |
|-------------------|------------------------|---------------------|---------------|
| Received:         | 03/03/2015             | Sampling Date:      | 02/26/2015    |
| Reported:         | 03/06/2015             | Sampling Type:      | Soil          |
| Project Name:     | SDS 11 FED #1 SWD (#2) | Sampling Condition: | Cool & Intact |
| Project Number:   | 700608.417.01          | Sample Received By: | Mike Snyder   |
| Project Location: | NOT GIVEN              |                     |               |

**Sample ID: S-1 1' (H500581-02)**

| 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           | 03/05/2015 | ND           | 2.04            | 102        | 2.00          | 1.08  |           |
| Toluene*       | <0.050 | 0.050           | 03/05/2015 | ND           | 1.83            | 91.4       | 2.00          | 1.15  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/05/2015 | ND           | 2.05            | 103        | 2.00          | 1.03  |           |
| Total Xylenes* | <0.150 | 0.150           | 03/05/2015 | ND           | 5.47            | 91.2       | 6.00          | 0.645 |           |
| Total BTX      | <0.300 | 0.300           | 03/05/2015 | ND           |                 |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PIL) 84.5 % 61-154

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AP |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3160   | 16.0            | 03/03/2015 | 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            | 03/03/2015 | ND           | 180             | 90.0       | 200           | 1.71 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 03/03/2015 | ND           | 175             | 87.5       | 200           | 5.84 |           |

Surrogate: 1-Chlorooctane 79.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 79.1 % 52.1-176

**Sample ID: S-1 2' (H500581-03)**

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AP |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | <16.0  | 16.0            | 03/03/2015 | ND           | 416             | 104        | 400           | 0.00 |           |

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\*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

|                   |                        |                     |               |
|-------------------|------------------------|---------------------|---------------|
| Received:         | 03/03/2015             | Sampling Date:      | 02/26/2015    |
| Reported:         | 03/06/2015             | Sampling Type:      | Soil          |
| Project Name:     | SDS 11 FED #1 SWD (#2) | Sampling Condition: | Cool & Intact |
| Project Number:   | 700608.417.01          | Sample Received By: | Mike Snyder   |
| Project Location: | NOT GIVEN              |                     |               |

**Sample ID: S-1 3' (H500581-04)**

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              |     |            |               |      |           | Analyzed By: AP |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |                 |
| Chloride             | 1660   | 16.0            | 03/03/2015 | ND           | 416 | 104        | 400           | 0.00 |           |                 |

**Sample ID: S-2 0' (H500581-05)**

| 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           | 03/05/2015 | ND           | 2.02 | 101        | 2.00          | 6.87 |           |                 |
| Toluene*       | 0.056  | 0.050           | 03/05/2015 | ND           | 1.81 | 90.3       | 2.00          | 6.73 |           |                 |
| Ethylbenzene*  | <0.050 | 0.050           | 03/05/2015 | ND           | 2.02 | 101        | 2.00          | 6.87 |           |                 |
| Total Xylenes* | <0.150 | 0.150           | 03/05/2015 | ND           | 5.41 | 90.1       | 6.00          | 7.35 |           |                 |
| Total BTX      | <0.300 | 0.300           | 03/05/2015 | ND           |      |            |               |      |           |                 |

Surrogate: 4-Bromofluorobenzene (PIL) 85.1 % 61-154

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              |     |            |               |      |           | Analyzed By: AP |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |                 |
| Chloride             | 40000  | 16.0            | 03/03/2015 | 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            | 03/03/2015 | ND           | 180 | 90.0       | 200           | 1.71 |           |                 |
| DRO >C10-C28 | <10.0  | 10.0            | 03/03/2015 | ND           | 175 | 87.5       | 200           | 5.84 |           |                 |

Surrogate: 1-Chlorooctane 74.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 77.0 % 52.1-176

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 03/03/2015  
Reported: 03/06/2015  
Project Name: SDS 11 FED #1 SWD (#2)  
Project Number: 700608.417.01  
Project Location: NOT GIVEN

Sampling Date: 02/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Mike Snyder

**Sample ID: S-2 1' (H500581-06)**

| BTX 80218      |        |                 | mg/kg      |              | Analyzed By: ms |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 03/05/2015 | ND           | 2.02            | 101        | 2.00          | 6.87 |           |
| Toluene*       | <0.050 | 0.050           | 03/05/2015 | ND           | 1.81            | 90.3       | 2.00          | 6.73 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/05/2015 | ND           | 2.02            | 101        | 2.00          | 6.87 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/05/2015 | ND           | 5.41            | 90.1       | 6.00          | 7.35 |           |
| Total BTX      | <0.300 | 0.300           | 03/05/2015 | ND           |                 |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PIL) 82.4 % 61-154

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AP |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 5120   | 16.0            | 03/03/2015 | 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            | 03/03/2015 | ND           | 180             | 90.0       | 200           | 1.71 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 03/03/2015 | ND           | 175             | 87.5       | 200           | 5.84 |           |

Surrogate: 1-Chlorooctane 77.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 79.1 % 52.1-176

**Sample ID: S-2 2' (H500581-07)**

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AP |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 832    | 16.0            | 03/03/2015 | ND           | 416             | 104        | 400           | 0.00 |           |

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 03/03/2015  
Reported: 03/06/2015  
Project Name: SDS 11 FED #1 SWD (#2)  
Project Number: 700608.417.01  
Project Location: NOT GIVEN

Sampling Date: 02/26/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Mike Snyder

**Sample ID: S-2 3' (H500581-08)**

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AP |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 800    | 16.0            | 03/03/2015 | ND           | 416             | 104        | 400           | 0.00 |           |

**Sample ID: S-3 0' (H500581-09)**

| 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           | 03/05/2015 | ND           | 2.02            | 101        | 2.00          | 6.87 |           |  |
| Toluene*       | 0.078  | 0.050           | 03/05/2015 | ND           | 1.81            | 90.3       | 2.00          | 6.73 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 03/05/2015 | ND           | 2.02            | 101        | 2.00          | 6.87 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 03/05/2015 | ND           | 5.41            | 90.1       | 6.00          | 7.35 |           |  |
| Total BTEX     | <0.300 | 0.300           | 03/05/2015 | ND           |                 |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PIL) 82.9 % 61-154

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: AP |            |               |      |           |  |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32000  | 16.0            | 03/03/2015 | 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            | 03/03/2015 | ND              | 180 | 90.0       | 200           | 1.71 |           |  |
| DRO >C10-C28 | <10.0  | 10.0            | 03/03/2015 | ND              | 175 | 87.5       | 200           | 5.84 |           |  |

Surrogate: 1-Chlorooctane 80.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 81.6 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

|                   |                        |                     |               |
|-------------------|------------------------|---------------------|---------------|
| Received:         | 03/03/2015             | Sampling Date:      | 02/26/2015    |
| Reported:         | 03/06/2015             | Sampling Type:      | Soil          |
| Project Name:     | SDS 11 FED #1 SWD (#2) | Sampling Condition: | Cool & Intact |
| Project Number:   | 700608.417.01          | Sample Received By: | Mike Snyder   |
| Project Location: | NOT GIVEN              |                     |               |

**Sample ID: S-3 1' (H500581-10)**

| 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           | 03/05/2015 | ND              | 2.02 | 101        | 2.00          | 6.87 |           |
| Toluene*       | <0.050 | 0.050           | 03/05/2015 | ND              | 1.81 | 90.3       | 2.00          | 6.73 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 03/05/2015 | ND              | 2.02 | 101        | 2.00          | 6.87 |           |
| Total Xylenes* | <0.150 | 0.150           | 03/05/2015 | ND              | 5.41 | 90.1       | 6.00          | 7.35 |           |
| Total BTEX     | <0.300 | 0.300           | 03/05/2015 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 82.4 % 61-154

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3400   | 16.0            | 03/03/2015 | 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            | 03/03/2015 | ND              | 180 | 90.0       | 200           | 1.71 |           |
| DRO >C10-C28 | <10.0  | 10.0            | 03/03/2015 | ND              | 175 | 87.5       | 200           | 5.84 |           |

Surrogate: 1-Chlorooctane 73.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 74.4 % 52.1-176

**Sample ID: S-3 2' (H500581-11)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1120   | 16.0            | 03/03/2015 | ND              | 416 | 104        | 400           | 0.00 |           |

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TALON LPE  
 DAVID ADKINS  
 408 W. TEXAS AVE.  
 ARTESIA NM, 88210  
 Fax To: (575) 745-8905

|                   |                        |                     |               |
|-------------------|------------------------|---------------------|---------------|
| Received:         | 03/03/2015             | Sampling Date:      | 02/26/2015    |
| Reported:         | 03/06/2015             | Sampling Type:      | Soil          |
| Project Name:     | SDS 11 FED #1 SWD (#2) | Sampling Condition: | Cool & Intact |
| Project Number:   | 700608.417.01          | Sample Received By: | Mike Snyder   |
| Project Location: | NOT GIVEN              |                     |               |

**Sample ID: S-3 3' (H500581-12)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 176    | 16.0            | 03/03/2015 | ND              | 416 | 104        | 400           | 0.00 |           |

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### Notes and Definitions

|     |  |
|-----|--|
| ND  | Analyte NOT DETECTED at or above the reporting limit   |
| RPD | Relative Percent Difference  |
| **  | Samples not received at proper temperature of 6°C or below.  |
| *** | Insufficient time to reach temperature.  |
| -   | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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

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Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|  |                            |                     |  |                         |  |
|--|----------------------------|---------------------|--|-------------------------|--|
| <b>Company Name:</b> Talon/LPE             |                            | <b>BILL TO</b>      |  | <b>ANALYSIS REQUEST</b> |  |
| <b>Project Manager:</b> D. Adkins          |                            | <b>P.O. #:</b>      |  |                         |  |
| <b>Address:</b> 408 W. Texas Ave.          |                            | <b>Company:</b> Oxy |  |                         |  |
| <b>City:</b> Artesia                       | <b>State:</b> NM           | <b>Attn:</b>        |  |                         |  |
| <b>Phone #:</b> 575-746-8768               | <b>Fax #:</b> 575-746-8905 | <b>Address:</b>     |  |                         |  |
| <b>Project #:</b> 700608.417.01            | <b>Project Owner:</b> Oxy  | <b>City:</b>        |  |                         |  |
| <b>Project Name:</b> SDS 11 Fed 1 SWD (#2) |                            | <b>State:</b>       |  |                         |  |
| <b>Project Location:</b>                   |                            | <b>Zip:</b>         |  |                         |  |
| <b>Sampler Name:</b> S. Hitchcock          |                            | <b>Phone #:</b>     |  |                         |  |
|  |                            | <b>Fax #:</b>       |  |                         |  |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         |            | PRESERV. | SAMPLING | TPH | BTEX | Chlorides |            |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------------|----------|----------|-----|------|-----------|------------|
|          |             |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: |          |          |     |      |           | ICE / COOL |
| H500581  | 5-10        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-11        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-12        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-13        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-20        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-21        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-22        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-23        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-30        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |
|          | 5-31        | G                 | 1            | /           |            |      |     |        |         |            |          |          |     |      |           |            |

DATE TIME

2/26/15 4:21

9:25

4:27

4:24

4:34

4:44

4:50

4:52

10:03

10:04

REMARKS:

OP: 56249847

Tsk: 01040502

Ele: 2019

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

Fax Result: Yes No

Sample Condition: Cool Intact Yes No

CHECKED BY: (Initials)

DELIVERED BY: (Circle One)

Sampler - UPS - Bus - Other:

PG 1 of 2





**CARDINAL**  
Laboratories

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 149170

CONDITIONS

|  |   |
|--|---|
| Operator:<br>OXY USA INC<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>16696   |
|  | Action Number:<br>149170                                  |
|  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| amaxwell   | None      | 12/20/2022     |