

# 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	nABI506443259
District RP	
Facility ID	
Application ID	

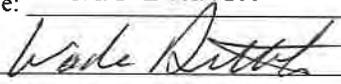
### Closure

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 ODC 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 Coordinator  
 Signature:  Date: 8-12-22  
 email: 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-foot bgs to 4-foot 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](mailto: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

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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)

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



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

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

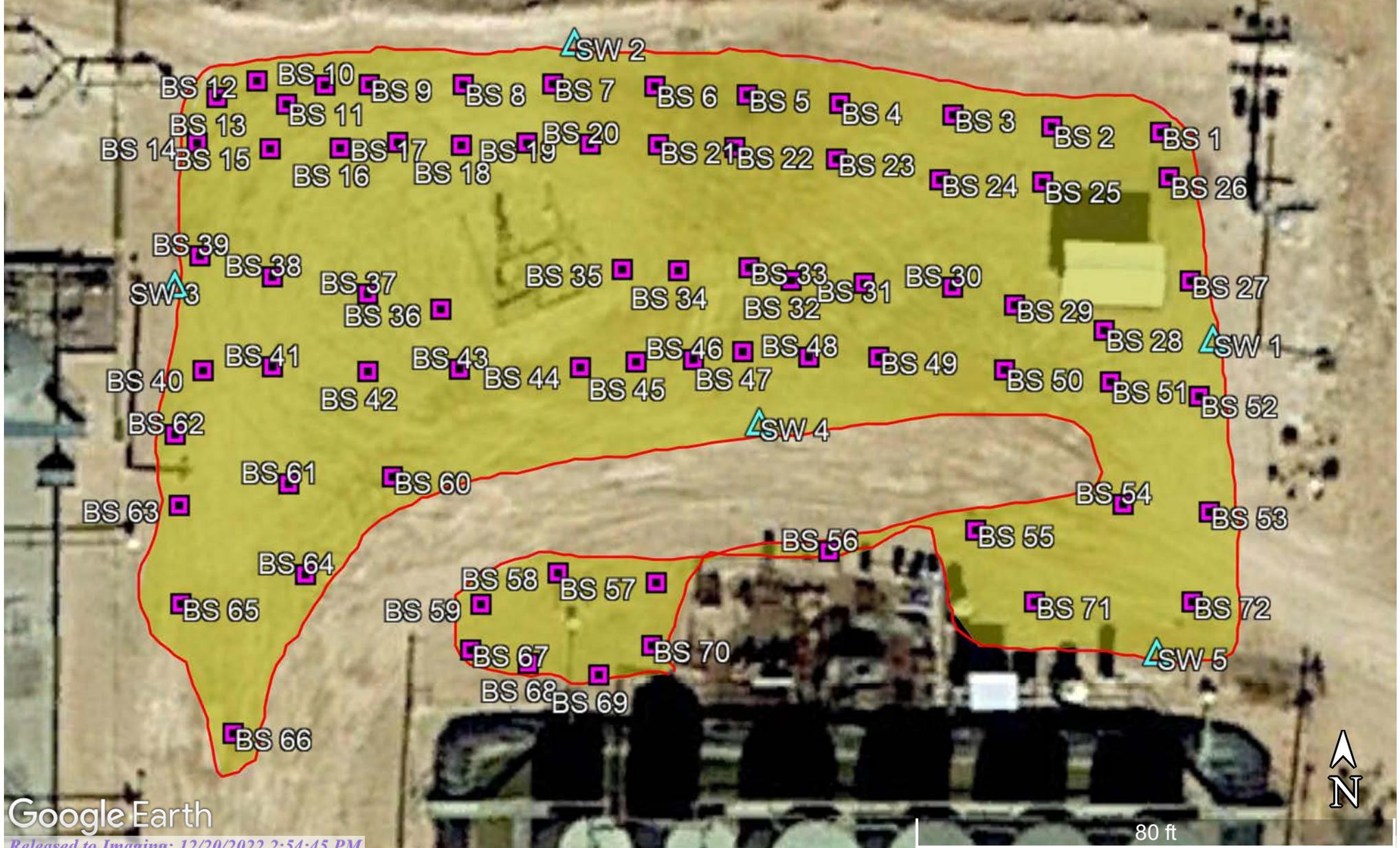
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# OXY -SDS 11 FED # 1 SWD

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



	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.

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

Cardinal Laboratories

\* = Accredited Analyte

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

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 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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\* = 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:	07/11/2022
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)**

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) 97.7 % 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 95.8 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 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:	07/11/2022
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, 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 93.9 % 43-149

Surrogate: 1-Chlorooctadecane 98.6 % 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:	07/11/2022
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)**

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, 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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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 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, 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 101 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 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:	07/11/2022
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, 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 98.7 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 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:	07/11/2022
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, 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 99.6 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 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:	07/11/2022
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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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.  
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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 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, 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 113 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 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:	07/11/2022
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, 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 88.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.9 % 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:	07/11/2022
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, 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 104 % 43-149

Surrogate: 1-Chlorooctadecane 110 % 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:	07/11/2022
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)**

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) 98.4 % 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 102 % 43-149

Surrogate: 1-Chlorooctadecane 108 % 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:	07/11/2022
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, 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 93.8 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 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:	07/11/2022
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, 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 96.8 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 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:	07/11/2022
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, 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 99.6 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 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:	07/11/2022
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, 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 108 % 43-149

Surrogate: 1-Chlorooctadecane 115 % 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:	07/11/2022
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, 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 95.7 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 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:	07/11/2022
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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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 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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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 21 @ 1' (H223121-21)**

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, 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	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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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 22 @ 1' (H223121-22)**

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, 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 78.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.2 % 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 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, 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 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.7 % 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 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, 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 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 91.6 % 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 25 @ 1' (H223121-25)**

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) 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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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 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, 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 88.4 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 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  
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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, 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 96.2 % 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 28 @ 1' (H223121-28)**

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, 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 83.0 % 43-149

Surrogate: 1-Chlorooctadecane 94.1 % 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 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, 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 85.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.7 % 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 30 @ 1' (H223121-30)**

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 85.7 % 43-149

Surrogate: 1-Chlorooctadecane 96.5 % 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 31 @ 1' (H223121-31)**

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, 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 79.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.0 % 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 32 @ 1' (H223121-32)**

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, 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 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 86.0 % 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 33 @ 1' (H223121-33)**

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, 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 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, 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 79.7 % 43-149

Surrogate: 1-Chlorooctadecane 89.5 % 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 35 @ 1' (H223121-35)**

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, 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 85.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.4 % 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 36 @ 1' (H223121-36)**

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, 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 95.2 % 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 37 @ 1' (H223121-37)**

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, 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 78.1 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 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 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, 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 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 92.1 % 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 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, 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 79.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 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 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, 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 83.8 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 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 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, 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	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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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 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, 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 88.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.8 % 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 43 @ 1' (H223121-43)**

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 79.8 % 43-149

Surrogate: 1-Chlorooctadecane 74.2 % 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 44 @ 1' (H223121-44)**

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 82.2 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 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 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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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 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, 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 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



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

**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 47 @ 1' (H223121-47)**

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, SM4500Cl-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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**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 48 @ 1' (H223121-48)**

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, 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 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 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	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, 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 82.5 % 43-149

Surrogate: 1-Chlorooctadecane 74.6 % 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 50 @ 1' (H223121-50)**

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, 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 89.0 % 43-149

Surrogate: 1-Chlorooctadecane 78.7 % 42.5-161

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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 51 @ 1' (H223121-51)**

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) 108 % 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 91.5 % 43-149

Surrogate: 1-Chlorooctadecane 84.9 % 42.5-161

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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 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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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 53 @ 1' (H223121-53)**

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 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.5 % 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 54 @ 1' (H223121-54)**

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, 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 80.0 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 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 55 @ 1' (H223121-55)**

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 97.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.5 % 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 56 @ 1' (H223121-56)**

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, 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 94.1 % 43-149

Surrogate: 1-Chlorooctadecane 84.4 % 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 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, 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 97.8 % 43-149

Surrogate: 1-Chlorooctadecane 88.6 % 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 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, 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 95.6 % 43-149

Surrogate: 1-Chlorooctadecane 88.4 % 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 59 @ 1' (H223121-59)**

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, 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 98.3 % 43-149

Surrogate: 1-Chlorooctadecane 88.2 % 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 60 @ 1' (H223121-60)**

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) 104 % 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 91.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 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	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)**

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) 104 % 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	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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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 62 @ 1' (H223121-62)**

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) 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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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 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, 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 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 94.3 % 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 64 @ 1' (H223121-64)**

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, 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 93.7 % 43-149

Surrogate: 1-Chlorooctadecane 98.4 % 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 65 @ 1' (H223121-65)**

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) 108 % 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 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 84.0 % 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 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, 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 92.7 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 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 67 @ 1' (H223121-67)**

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 102 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 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 68 @ 1' (H223121-68)**

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) 108 % 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 93.0 % 43-149

Surrogate: 1-Chlorooctadecane 98.7 % 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 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, 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 98.1 % 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 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, 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 96.5 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 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 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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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 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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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 1 (H223121-73)**

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, 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 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



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: SW 2 (H223121-74)**

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, 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 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	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 3 (H223121-75)**

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, 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 95.6 % 43-149

Surrogate: 1-Chlorooctadecane 99.9 % 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.  
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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: SW 4 (H223121-76)**

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 96.2 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 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 5 (H223121-77)**

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, 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 98.2 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

Cardinal Laboratories

\* = 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

---

### 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  
Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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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



**ARDINAL LABORATORIES**  
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 (505) 393-2326 FAX (505) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_ Company: Oxy  
 Project Manager: Cliff Brunson Attn: \_\_\_\_\_  
 Address: P.O. Box 805 State: NM Zip: 88241  
 City: Hobbs Address: \_\_\_\_\_  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: \_\_\_\_\_ Project Owner: Oxy City: \_\_\_\_\_  
 Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15) State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: New Mexico Phone #: \_\_\_\_\_  
 Sampler Name: SIMON RENDON Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	✓	✓	✓	✓	✓	✓
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
H22 3121	BOTTOM SAMPLE 1 @ 1'	C	1							7/11/22	11:35AM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 2 @ 1'									7/11/22	11:43AM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 3 @ 1'									7/11/22	12:01PM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 4 @ 1'									7/11/22	12:08PM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 5 @ 1'									7/11/22	12:21PM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 6 @ 1'									7/11/22	12:30PM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 7 @ 1'									7/11/22	12:37PM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 8 @ 1'									7/11/22	12:48PM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 9 @ 1'									7/11/22	12:57PM	✓	✓	✓	✓	✓	✓
	BOTTOM SAMPLE 10 @ 1'									7/11/22	1:07PM	✓	✓	✓	✓	✓	✓

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Relinquished By: \_\_\_\_\_ Date: 7/18/22 Received By: \_\_\_\_\_ Date: 7/18/22  
 Relinquished By: \_\_\_\_\_ Time: 8:00PM Received By: \_\_\_\_\_ Time: 1:40PM  
 Delivered By: (Circle One) 0.9c - 0.6c Sample Condition:  Intact  Cool  Yes  No  
 Sampler - UPS - Bus - Other: 0.3c #113 CHECKED BY: \_\_\_\_\_ (Initials) TS

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDON  
 P.O. #: Company: Oxy  
 Attn: Address: City: State: Zip: Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BT EX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H223121	BOTTOM SAMPLE 1 @ 1'	C	1							7/11/22	1:16PM	✓	✓	✓
	BOTTOM SAMPLE 12 @ 1'	C	1							7/11/22	1:24PM	✓	✓	✓
	BOTTOM SAMPLE 13 @ 1'	C	1							7/11/22	1:35PM	✓	✓	✓
	BOTTOM SAMPLE 14 @ 1'	C	1							7/11/22	1:45PM	✓	✓	✓
	BOTTOM SAMPLE 15 @ 1'	C	1							7/11/22	1:54PM	✓	✓	✓
	BOTTOM SAMPLE 16 @ 1'	C	1							7/11/22	2:08PM	✓	✓	✓
	BOTTOM SAMPLE 17 @ 1'	C	1							7/11/22	2:15PM	✓	✓	✓
	BOTTOM SAMPLE 18 @ 1'	C	1							7/11/22	2:26PM	✓	✓	✓
	BOTTOM SAMPLE 19 @ 1'	C	1							7/11/22	2:37PM	✓	✓	✓
	BOTTOM SAMPLE 20 @ 1'	C	1							7/11/22	2:45PM	✓	✓	✓

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Relinquished By: *[Signature]* Date: 7/18/22  
 Received By: *[Signature]* Date: 7/18/22  
 Time: 8:00 AM  
 Delivered By: (Circle One) *[Signature]* 0.9c @ 0.6c  
 Sampler - UPS - Bus - Other: *[Signature]* 0.3c @ 1.13  
 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: *[Signature]* (Initials) *[Signature]*

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

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: SDS 11 FEDERAL 1 SWD BATT (212215)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDON  
 P.O. #: Company: Oxy  
 Attn: Address: City: State: Zip: Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H23121	BOTTOM SAMPLE 21 @ 1'		6							7/12/22	8:35AM	✓	✓	✓
	BOTTOM SAMPLE 22 @ 1'									7/12/22	8:43AM	✓	✓	✓
	BOTTOM SAMPLE 23 @ 1'									7/12/22	8:54AM	✓	✓	✓
	BOTTOM SAMPLE 24 @ 1'									7/12/22	9:10AM	✓	✓	✓
	BOTTOM SAMPLE 25 @ 1'									7/12/22	9:18AM	✓	✓	✓
	BOTTOM SAMPLE 26 @ 1'									7/12/22	9:27AM	✓	✓	✓
	BOTTOM SAMPLE 27 @ 1'									7/12/22	9:40AM	✓	✓	✓
	BOTTOM SAMPLE 28 @ 1'									7/12/22	9:52AM	✓	✓	✓
	BOTTOM SAMPLE 29 @ 1'									7/12/22	10:03AM	✓	✓	✓
	BOTTOM SAMPLE 30 @ 1'									7/12/22	10:15AM	✓	✓	✓

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Relinquished By: *Simon Rendon* Date: 7-18-22  
 Received By: *Cliff Brunson* Date: 7-18-22  
 Time: 8:00 AM  
 Delivered By: (Circle One) UPS - Bus - Other: *UPS - Bus - Other*  
 Sample Condition:  Intact  Cool  Yes  No

CHECKED BY: *Cliff Brunson*  
 (Initials) *CB*  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P.O. Box 805  
 City: Hobbs State: NM zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDON  
 P.O. #: Company: Oxy  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	FOR LAB USE ONLY	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H223121	BOTTOM SAMPLE 51 @ 1'		6	1								7/12/22	2:04PM	Chloride
51	BOTTOM SAMPLE 52 @ 1'											7/12/22	2:10PM	BTX
52	BOTTOM SAMPLE 53 @ 1'											7/12/22	2:17PM	TPH EXT
53	BOTTOM SAMPLE 54 @ 1'											7/12/22	2:23PM	
54	BOTTOM SAMPLE 55 @ 1'											7/12/22	2:30PM	
55	BOTTOM SAMPLE 56 @ 1'											7/12/22	2:38PM	
56	BOTTOM SAMPLE 57 @ 1'											7/12/22	2:45PM	
57	BOTTOM SAMPLE 58 @ 1'											7/12/22	2:51PM	
58	BOTTOM SAMPLE 59 @ 1'											7/12/22	2:58PM	
59	BOTTOM SAMPLE 60 @ 1'											7/12/22	3:07PM	

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Relinquished By: *[Signature]* Date: 7-18-22  
 Received By: *[Signature]* Date: 7-18-22  
 Relinquished By: *[Signature]* Date: 7-18-22  
 Received By: *[Signature]* Date: 7-18-22  
 Delivered By: (Circle One) *[Signature]* Date: 7-18-22  
 Time: 7:40  
 Sampler - UPS - Bus - Other: *[Signature]* Date: 7-18-22  
 Time: 7:40  
 Sample Condition:  Intact  Cool  Yes  No  
 CHECKED BY: *[Signature]* (Initials) *[Signature]*

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		<b>BILL TO</b>		P. O. #:		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		Company: OXY		Attn:			
Address: P. O. Box 805		State: NM		Zip: 88241			
City: Hobbs		Address:		City:			
Phone #: 575-397-6388		Fax #: 575-397-0397		State:		Zip:	
Project #:		Project Owner: OXY		Phone #:			
Project Name: SDS 11 FEDERAL 1 SWD BATT (2122115)		Project Location: New Mexico		Fax #:			
Sampler Name: SIMON RENDON		FOR LAB USE ONLY		MATRIX		PRESERV	
Lab I.D.		Sample I.D.		GROUNDWATER		WASTEWATER	
				SOIL		OIL	
				SLUDGE		OTHER :	
				ACID/BASE:		ICE / COOL	
				OTHER :			
				DATE		TIME	
H23121		BOTTOM SAMPLE 61 @ 1'		7/12/22		3:12PM	
41		BOTTOM SAMPLE 62 @ 1'		7/12/22		3:19PM	
42		BOTTOM SAMPLE 63 @ 1'		7/12/22		3:26PM	
43		BOTTOM SAMPLE 64 @ 1'		7/12/22		3:32PM	
64		BOTTOM SAMPLE 65 @ 1'		7/12/22		3:40PM	
65		BOTTOM SAMPLE 66 @ 1'		7/12/22		3:46PM	
66		BOTTOM SAMPLE 67 @ 1'		7/12/22		3:52PM	
67		BOTTOM SAMPLE 68 @ 1'		7/12/22		4:04PM	
68		BOTTOM SAMPLE 69 @ 1'		7/12/22		4:10PM	
69		BOTTOM SAMPLE 70 @ 1'		7/12/22		4:15PM	
70							

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Relinquished By: *[Signature]* Date: 7/12/22 Time: 8:00pm Received By: *[Signature]* Date: 7/12/22 Time: 10:40

Delivered By: (Circle One) *0.92* *2.0.6* Sample Condition:  Intact  Cool  Yes  No  Yes  No

Sampler - UPS - Bus - Other: *0.3* *#113* CHECKED BY: *[Signature]* (Initials) *YO*

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

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.  
 Project Manager: Cliff Brunson  
 Address: P. O. Box 805  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: Project Owner: Oxy  
 Project Name: SDS 11 FEDERAL 1 SWD BATT (2/22/15)  
 Project Location: New Mexico  
 Sampler Name: SIMON RENDON  
 P. O. #: Company: Oxy  
 Attn: Address: City: State: Zip: Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	TPHEXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H223121	BOTTOM SAMPLE 71 @ 1'	(G)	1							7/1/2022	4:15PM	✓	✓	✓
	BOTTOM SAMPLE 72 @ 1'	(G)	1							7/1/2022	4:22PM	✓	✓	✓
	SW 1									7/1/2022	4:28PM	✓	✓	✓
	SW 2									7/1/2022	4:35PM	✓	✓	✓
	SW 3									7/1/2022	4:42PM	✓	✓	✓
	SW 4									7/1/2022	4:52PM	✓	✓	✓
	SW 5									7/1/2022	4:57PM	✓	✓	✓

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Relinquished By: *Simon Rendon* Date: 7-18-22 Received By: *Cliff Brunson* Date: 7-18-22  
 Relinquished By: *Simon Rendon* Date: 7-18-22 Received By: *Cliff Brunson* Date: 7-18-22  
 Delivered By: (Circle One) *0.35% C.O. 6%* Sample Condition:  Cool  Intact  
 Sampler - UPS - Bus - Other: *0.3% #113*  Yes  No

CHECKED BY: *Cliff Brunson*  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

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March 20, 2015

Mr. Mike Bratcher  
NMOCD District 2  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

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

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

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

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

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

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

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

Dear Mr. Bratcher,

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**

The release was discovered on February 22, 2015

**Background Information**

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](#).

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 under lain 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

## 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.

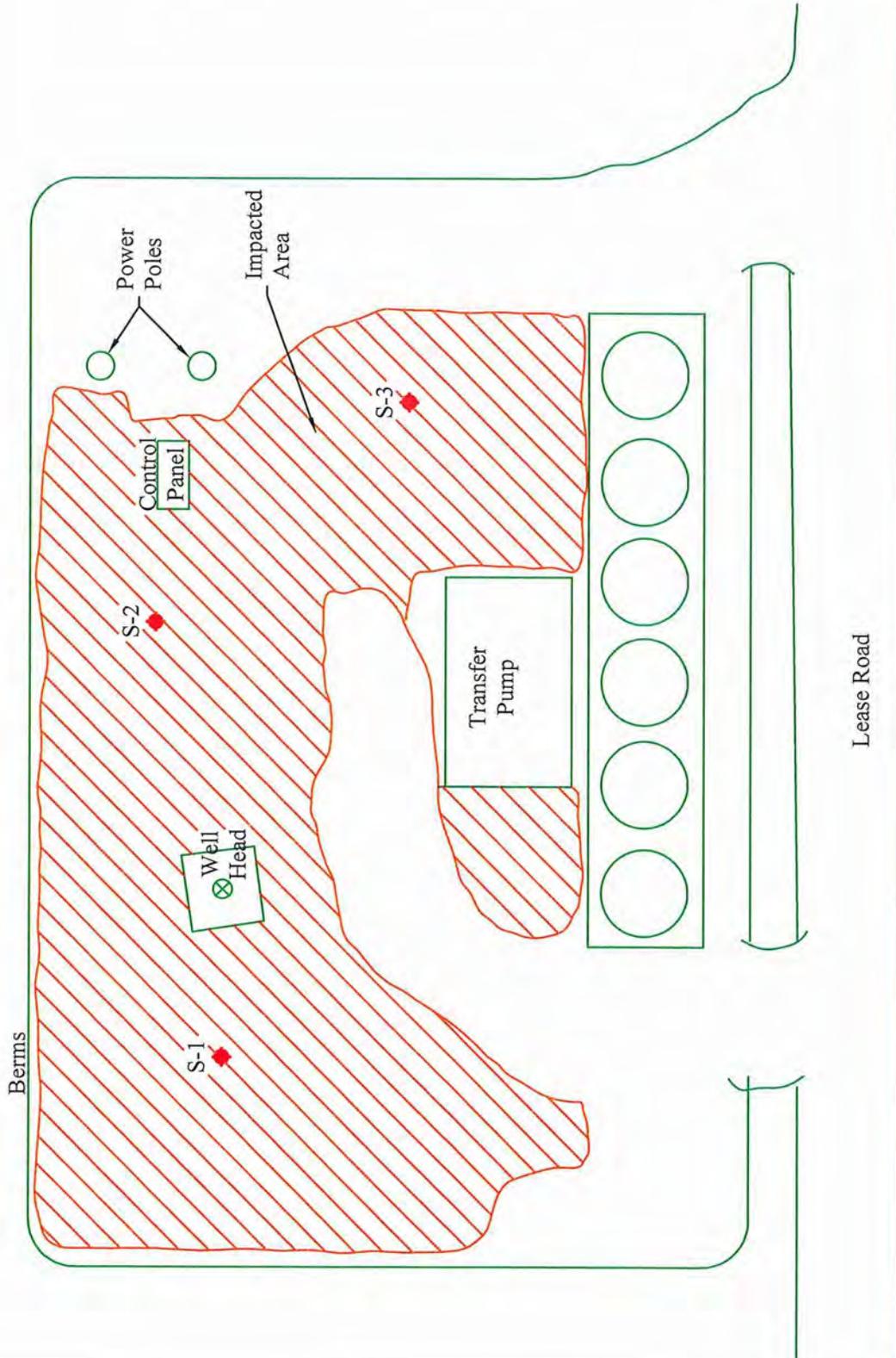
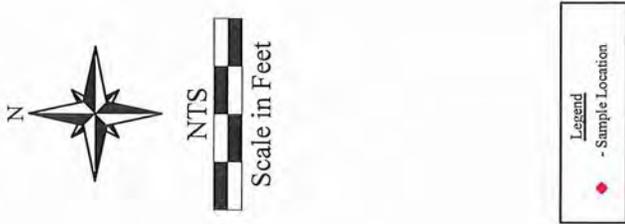
Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

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.

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*

Name of Company: <b>Oxy Permian LTD (192463)</b> <i>1609LP</i>		Contact: <b>Chris Jones</b>
Address: <b>102 S. Main St. Carlsbad, NM 88220</b>		Telephone No.: <b>575-628-4121</b>
Facility Name: <b>SDS 11 Federal #1 SWD Battery</b>		Facility Type: <b>SWD</b>
Surface Owner: <b>Federal</b>	Mineral Owner:	API No.: Lease #: <b>30-015-27627</b>

**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: <b>Produced Water</b>	Volume of Release: <b>44 bbls</b>	Volume Recovered: <b>0 bbls</b>
Source of Release: <b>Triplex Pump failed</b>	Date and Hour of Occurrence: <b>2/22/15</b>	Date and Hour of Discovery: <b>2/22/15</b>
Was Immediate Notice Given? <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? <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: <b>Chris Jones</b> <small>Digitally signed by Chris Jones DN: cn=Chris Jones, o=Oxy, email=ckjones88@yahoo.com, c=US Date: 2015.02.27 14:20:10 -0600</small>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Chris Jones</b>	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: <b>HES Specialist</b>	Approval Date: <b>3/6/15</b>	Expiration Date: <b>N/A</b>
E-mail Address: <b>Christopher.Jones@oxy.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>2/27/2015</b> Phone: <b>575-628-4121</b>	<b>Remediation per O.C.D. Rules &amp; Guidelines</b>	

\* Attach Additional Sheets If Necessary

**SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 4/5/15**

*28P-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/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 "Celey D. Keene". The signature is written in a cursive style with a large, flowing "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		
<b>Toluene*</b>	<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 (PIL) 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	
<b>Chloride</b>	<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



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 1' (H500581-02)**

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*	<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 BTEX	<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)**

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*	0.056	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 BTEX	<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

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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-2 1' (H500581-06)**

BTEX 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 BTEX	<0.300	0.300	03/05/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 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	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-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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\*=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	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 (PIC) 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  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

PG 1 of 2

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Talon/LPE  
 Project Manager: D. Adkins  
 Address: 408 W. Texas Ave.  
 City: Artesia State: NM zip: 88210  
 Phone #: 575-746-8768 Fax #: 575-746-8905  
 Project #: 700608.417.01 Project Owner: Oxy  
 Project Name: SDS 11 Fed 1 SWD (#2)  
 Project Location:  
 Sampler Name: S. Hitchcock  
 P.O. #: Company: Oxy  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
01	5-10	G	1	/	/	/	/	/	/	2/26/15	9:21	/	/	/
02	5-11	G	1	/	/	/	/	/	/		9:25	/	/	/
03	5-12	G	1	/	/	/	/	/	/		9:27	/	/	/
04	5-13	G	1	/	/	/	/	/	/		9:29	/	/	/
05	5-20	G	1	/	/	/	/	/	/		9:39	/	/	/
06	5-21	G	1	/	/	/	/	/	/		9:44	/	/	/
07	5-22	G	1	/	/	/	/	/	/		9:50	/	/	/
08	5-23	G	1	/	/	/	/	/	/		4:52	/	/	/
09	5-30	G	1	/	/	/	/	/	/		10:03	/	/	/
10	5-31	G	1	/	/	/	/	/	/		10:09	/	/	/

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Relinquished By: *Sheldes P...* Date: *3/23/15* Time: *1:15*  
 Received By: *Michelle Smith*  
 Delivered By: (Circle One)  UPS  Bus  Other  
 Sample Condition:  Cool  Intact  Yes  No  
 CHECKED BY: *ms*

Phone Result:  Yes  No Add'l Phone #:  
 Fax Result:  Yes  No Add'l Fax #:  
 OP: 56249847  
 TSK: 01040502  
 Ele: 2019

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:	
Project Manager: D. Adkins		Company: Oxy	
Address: 408 W. Texas Ave.		Attn:	
City: Artesia	State: NM zip: 88210	Address:	
Phone #: 575-746-8768	Fax #: 575-746-8905	City:	
Project #: 700608.417.01	Project Owner: Oxy	State: zip:	
Project Name: SDS 11 Fed 1 SWD (#2)	Project Location:	Phone #:	
Sampler Name: S. Hitchcock	FOR LAB USE ONLY	Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HS0581-	11-5-32'	G	1								2/26/15	10:11			
	12-5-33	G	1								2/26/15	10:13			

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Relinquished By: *Shekela Pearson* Date: *3/31/15* Received By: *Amber Stank*

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_

Sample Condition Cool Intact  Yes  No

Checked By: \_\_\_\_\_

REMARKS: OP: 56249847 Tsk: 01040502 Ele: 2019 *D 84*

PG 2 of 2

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

**CONDITIONS**

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