Closure Report

Site Description							
Site Name:	Sundance 8 Federal #1 CTB						
Company:	Oxy Permian Ltd.						
Legal Description:	U/L C, Section 8, T24S, R31E						
County:	Eddy County, NM						
GPS Coordinates:	N 32.23798° W 103.80333°						

Release Data							
Date of Release:	12/11/2016						
Type of Release:	Oil						
Source of Release:	Bleeder valve on the circulating pump was left open						
Volume of Release:	13 bbls						
Volume Recovered:	3 bbls						

Remediation Specifications								
Remediation Parameters:	Excavate the entire area to a depth of 6 inches. Backfill the site with clean soil.							
Remediation Activities:	04/17/2017 to 0	4/20/2017						
Plan Sent to OCD:	02/07/2017	Email from Cliff Brunson to Mike Bratcher						
OCD Approval of Plan:	02/15/2017	Email from Mike Bratcher to Cliff Brunson						
Plan Sent to BLM:	02/07/2017	Email from Cliff Brunson to Shelly Tucker						
BLM Approval of Plan:	02/14/2017	Email from Shelly Tucker to Cliff Brunson						

Supporting Documentation							
Initial C-141	Signed 12/29/2016						
Final C-141	Upon completion						
Site Diagram	December 2016						
Groundwater Plot	200'						
TOPO Maps	December 2016						
Lab Summary	01/10/2017-01/11/2017						
Lab Analysis	01/10/2017-01/11/2017						
Correspondence	Request and approval of remediation plan via email						

Request for Closure

Based on the completion of the remediation plan as agreed upon, Oxy Permian Ltd. requests closure approval from NMOCD.

Casey Summers, NM Environmental Advisor, Oxy Permian Ltd. 05/05/2016

District 1
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

Submit 1 Copy to appropriate District Office in accordance with 19,15,29 NMAC.

Form C-141

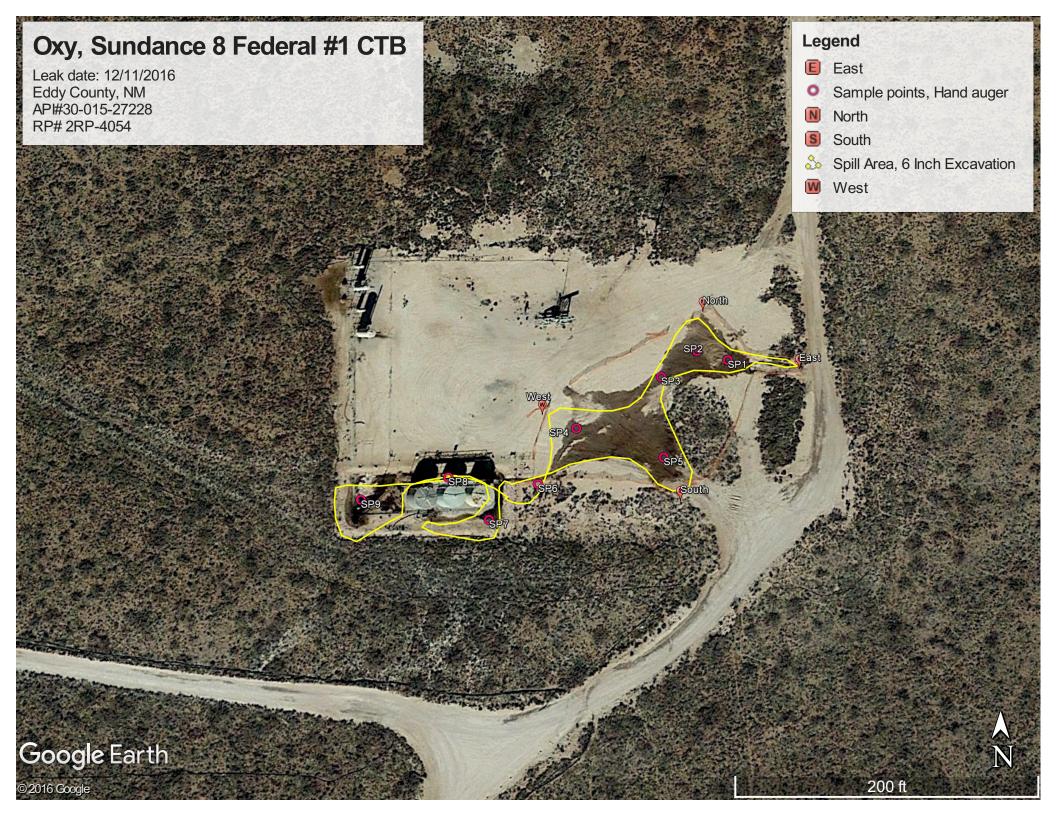
Revised August 8, 2011

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

Release Notification and Corrective Action

						DPERAT	OR	Σ	Initial	Report		Final Report
Name of Company Oxy Permian Ltd.						Contact Casey Summers						
Address PO Box 4294; Houston, TX 77210 Facility Name Sundance 8 Federal #1 CTB						Telephone No. (575) 513-8289						
Facility Nar	ne Sund	lance 8 Fede	ral#1 C1	. В		Facility Typ	e Battery					
Surface Ow	ner BLN	M		Mineral O	wner				API No	. 30-015-	27228	
	_			LOCAT	ΓΙΟΝ	OF REL	EASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/W	est Line	County		
С	8	245	31E	-						Eddy		
	Latitude N 32.23798° Longitude W 103.80333°											
				NATU	JRE C	F RELE	ASE					
Type of Rele	ase Oil						Release 13 bbls	T	Volume F	Recovered	3 bbl	S
Source of Re	lease Blee	der valve on t	he circulat	ting pump was lef	t open	Date and H 12/11/2016	lour of Occurrence	e	Date and	Hour of Di	scover	у
Was Immedia	ate Notice C		Yes [No Not Re	equired	If YES, To Mike Brate	Whom? ther, Heather Patte	erson- N	MOCD; S	helly Tuck	er- BL	М
By Whom?		vis @ BBC Ir	ternationa	al Inc.		Date and H	lour 12/13/2016	6 @ 11:3	37 am			
Was a Water	course Reac		Yes 🗵	No		If YES, Volume Impacting the Watercourse.						
If a Watercou	ırse was Im	pacted, Descri	ibe Fully.	ju		I						
,		•	•									ı
Describe Cau	se of Probl	em and Reme	dial Action	n Taken.*								
The bleeder v	alve on the	circulating p	ımp was l	eft open spilling 1	3 bbls o	f oil on locat	ion. A vacuum tr	uck reco	vered 3 bb	ols of oil an	d the v	alve was
Describe Are	a Affected	and Cleanup A	Action Tak	ken.*								
The affected NMOCD and		oximately 250)' x 40' or	location. Remed	fiation w	ill be comple	eted in accordance	with an	approved	remediatio	n plan	from
regulations al public health should their c or the environ	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.											
	1/1						OIL CONS	SERV	ATION	DIVISI	NO	
Signature:	In			DOM: 0.753								
Printed Name: Casey Summers						Approved by Environmental Specialist:						
Title: NM I	Environmen	ital Advisor				Approval Date: Expiration		Date:				
E-mail Addre	ess: Case	y_Summers@	oxy.com			Conditions of	Approval:			Attache	d 🗀	
Date: 12	-29-1	6	Phone	(575) 513-828	9							

^{*} Attach Additional Sheets If Necessary



Oxy, Sundance 8 Federal #1 CTB

Sample points, Hand auger

SP1, N 32.23812 W-103.80271

SP2, N 32.23813 W-103.80278

SP3, N 32.23808 W-103.80286

SP4, N 32.23798 W-103.80305

SP5, N 32.23793 W-103.80286

SP6, N 32.23788 W-103.80314

SP7, N 32.23781 W-103.80324

SP8, N 32.23789 W-103.80334

SP9, N 32.23785 W-103.80353

NORTH, N 32.23821 W-103.80276

SOUTH, N 32.23785 W-103.80282

EAST, N 32.23810 W-103.80255

WEST, N 32.23801 W-103.80313

Oxy, Sundance 8 Federal #1 CTB U/L C, Section 8, T24S, R31E Groundwater: 200'





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 Sub-		0	0	^							W -4
POD Number	Code		County		Q 16			Tws	Rng	X	Y	DistanceDepth'	Water WellDepthWater Column
C 02783		CUB	ED	3	3	1	04	24S	31E	613911	3568461	1507	708
C 02783 POD2		C	ED	3	3	1	04	24S	31E	613911	3568461	1507	672
<u>C 02784</u>		C	ED	4	2	4	04	24S	31E	613911	3568461	1507	584
<u>C 02661</u>			ED	3	3	1	04	24S	31E	613969	3568485*	1564	708
<u>C 02785</u>			ED	3	3	1	04	24S	31E	613969	3568485*	1564	692
											Averag	ge Depth to Water:	
												Minimum Depth:	
												Maximum Depth:	

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 612876 **Northing (Y):** 3567366 **Radius:** 1700

*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.

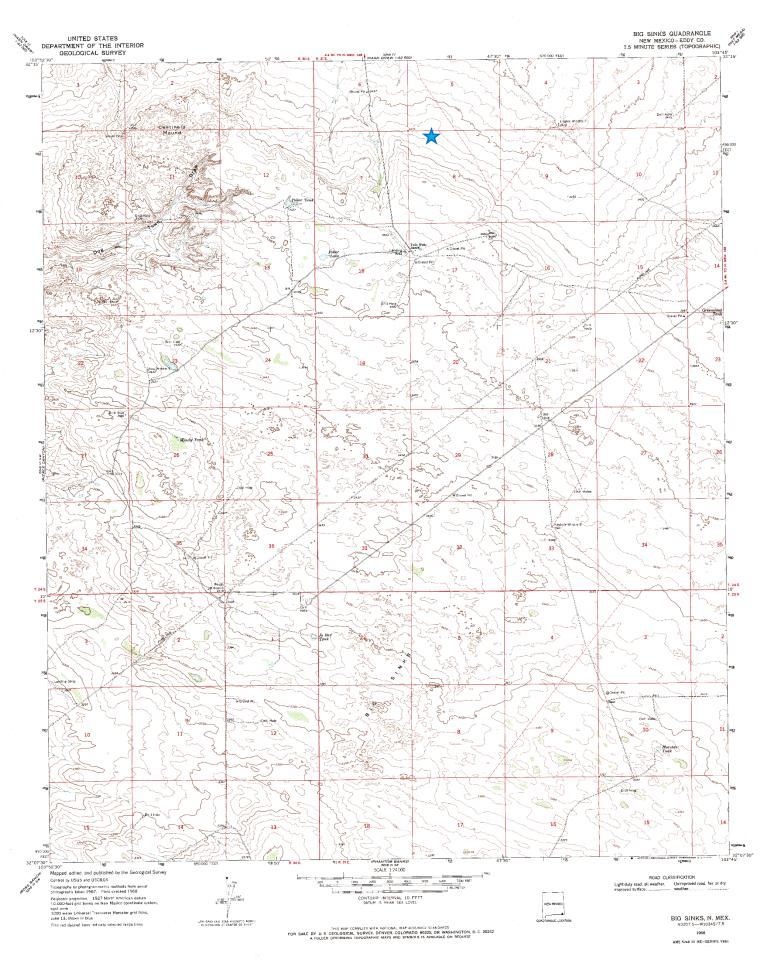
5/5/17 10:36 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

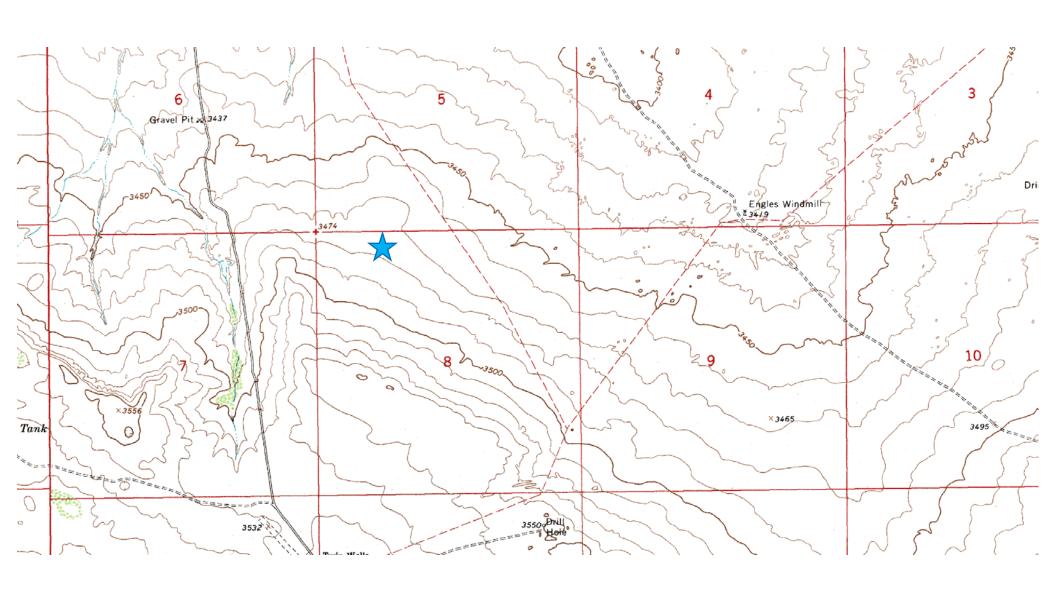
Public Land Survey System (PLSS) Q64: Q16: NE Q4: NW Sec: 08 Tws: 24S Rng: 31E										
State Plane Coordinate System - NAD27 X: ft Y: ft Zone:										
State Plane Coordinate System - NAD83 X: ft Y: ft Zone:										
Degrees/Minutes/Seconds Longitude (X): Degrees: " Minutes: ' Seconds: " Latitude (Y): Degrees: " Minutes: ' Seconds: "										
UTM - NAD27 Easting (X): mtrs Northing (Y): mtrs Zone:										
All Conversion Results are displayed as NAD 1983 UTM Zone 13 Easting (X): 612876.0 mtrs Northing (Y): 3567366.0 mtrs ~~ Please keep screen open to copy UTM values for Reports. ~~										

Оху

Sundance 8 Federal #1 CTB



Oxy
Sundance 8 Federal #1 CTB



Laboratory Analytical Results Summary Sundance 8 Federal #1 CTB

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

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

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

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

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

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

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

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

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

		Sample	North Sample	East Sample	West Sample	South Sample
Analyte	Method	Date	1/11/17	1/11/17	1/11/17	1/11/17
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		< 0.150	< 0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0



January 19, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SUNDANCE 8 #1

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	< 0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	% 73.6-14	0						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	85.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	87.6	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil Project Name: SUNDANCE 8 #1 Sampling Condition: Cool

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	85.2	% 35-147	,						
Surrogate: 1-Chlorooctadecane	87.7	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	86.6	% 35-147	7						
Surrogate: 1-Chlorooctadecane	91.4	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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Jodi Henson

Sample Received By:



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil
Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact

Project Location: OXY

NONE GIVEN

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

Project Number:

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	97.1	% 35-147	,						
Surrogate: 1-Chlorooctadecane	113 9	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	81.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	83.6	% 28-171							

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	95.9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	94.6	% 28-171							

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	91.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	92.1	% 28-171							

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01/10/2017



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date:

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	78.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	80.6	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil
Project Name: SUNDANCE 8 #1 Sampling Condition: Cool

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	85.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	85.4	% 28-171							

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01/10/2017



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date:

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	81.1	% 35-147	7						
Surrogate: 1-Chlorooctadecane	88.2	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil
Project Name: SUNDANCE 8 #1 Sampling Condition: Cool

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	76.8	% 35-147	7						
Surrogate: 1-Chlorooctadecane	84.9	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.6-14	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	86.1	% 35-147	7						
Surrogate: 1-Chlorooctadecane	86.9	% 28-171	1						

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01/10/2017

Soil



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: Reported: Sampling Type:

01/19/2017 Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	80.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	91.1	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017

Reported: 01/19/2017
Project Name: SUNDANCE 8 #1

Project Number: NONE GIVEN Project Location: OXY

Sampling Date: 01/10/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.6-14	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	80.4	% 35-147	7						
Surrogate: 1-Chlorooctadecane	89.1	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/10/2017
Reported: 01/19/2017 Sampling Type: Soil

Reported:01/19/2017Sampling Type:SoilProject Name:SUNDANCE 8 #1Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	85.7	% 35-147	7						
Surrogate: 1-Chlorooctadecane	92.4	% 28-171	,						

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01/10/2017



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date:

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg Analyzed By: CK			d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	25.8	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	79.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	86.9	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg Analyzed By: C			d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	0.109	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	0.196	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	0.579	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	0.884	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 73.6-14	10						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14.7	10.0	01/17/2017	ND	211	105	200	3.72	
DRO >C10-C28	816	10.0	01/17/2017	ND	231	116	200	1.17	
Surrogate: 1-Chlorooctane	77.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	91.3	% 28-171	!						

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2017	ND	2.25	112	2.00	1.42	
Toluene*	<0.050	0.050	01/17/2017	ND	2.22	111	2.00	1.47	
Ethylbenzene*	<0.050	0.050	01/17/2017	ND	2.24	112	2.00	1.26	
Total Xylenes*	<0.150	0.150	01/17/2017	ND	6.34	106	6.00	1.39	
Total BTEX	<0.300	0.300	01/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	61.3	10.0	01/17/2017	ND	202	101	200	1.74	QM-07
Surrogate: 1-Chlorooctane	70.1	% 35-147	,						
Surrogate: 1-Chlorooctadecane	82.5	% 28-171							

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	21.2	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	56.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	65.3	% 28-171							

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyze	Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recov	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	0.119	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	0.156	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	0.569	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	0.844	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	10						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	1340	50.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	78.4	% 35-147	7						
Surrogate: 1-Chlorooctadecane	108 9	% 28-171	!						

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01/11/2017



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date:

Reported:01/19/2017Sampling Type:SoilProject Name:SUNDANCE 8 #1Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

Project Location: OXY

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

Analyte	mg/kg		Analyzed By: CK						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	85.8	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	63.4	% 35-147	7						
Surrogate: 1-Chlorooctadecane	70.6	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	86.6	% 35-147	7						
Surrogate: 1-Chlorooctadecane	91.0	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017

Reported: 01/19/2017
Project Name: SUNDANCE 8 #1

Project Number: NONE GIVEN Project Location: OXY

Sampling Date: 01/11/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

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

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	0.219	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	0.187	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	0.681	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	1.09	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	917	50.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	71.1	% 35-147	,						
Surrogate: 1-Chlorooctadecane	108 9	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	24.5	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	74.5	% 35-147	7						
Surrogate: 1-Chlorooctadecane	82.7	% 28-171							

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01/11/2017



Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date:

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

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

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	75.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	86.0	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: NORTH (H700096-26)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	91.0	% 35-147	7						
Surrogate: 1-Chlorooctadecane	94.7	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil Project Name: SUNDANCE 8 #1 Sampling Condition: Coo

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: EAST (H700096-27)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.6-14	0						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	88.1	% 35-147	,						
Surrogate: 1-Chlorooctadecane	96.7	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: WEST (H700096-28)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	87.2	% 35-147	7						
Surrogate: 1-Chlorooctadecane	97.4	% 28-171							

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/13/2017 Sampling Date: 01/11/2017

Reported: 01/19/2017 Sampling Type: Soil Project Name: SUNDANCE 8 #1 Sampling Condition: Coo

Project Name: SUNDANCE 8 #1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: SOUTH (H700096-29)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.661	
Toluene*	<0.050	0.050	01/18/2017	ND	1.85	92.6	2.00	0.536	
Ethylbenzene*	<0.050	0.050	01/18/2017	ND	1.87	93.7	2.00	0.354	
Total Xylenes*	<0.150	0.150	01/18/2017	ND	5.31	88.5	6.00	0.366	
Total BTEX	<0.300	0.300	01/18/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.6-14	0						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/17/2017	ND	195	97.5	200	1.18	
DRO >C10-C28	<10.0	10.0	01/17/2017	ND	202	101	200	1.74	
Surrogate: 1-Chlorooctane	80.3	% 35-147	7						
Surrogate: 1-Chlorooctadecane	91.8	% 28-171							

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Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAY (505) 393-2326 FAY (505) 393-2426		
Company Name: BBC International, Inc.		
Project Manager: Cliff Brunson		ANALYSIS REQUEST
Address: P.O. Box 805	Company	
City: Hobbs State: NM Zip: 88241	Attn:	
5	Address:	
0	City:	*
Project Name: Sundant & tours #1	State: Zin:	
Project Location:	#	•
Sampler Name: 1/24 Crnc > S	Fax#:	¥ (1)
FOR LAB USE ONLY MATRIX	PRESERV SAMPLING	
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PLEASE NOTE: Lability and Damages. Cardina's liability and client's exclusive remerly for any claim makes	4 × 56/ 14	
anyves. All claims including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable evice. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incrined by client, its subsidiaries, successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claims is based innon any of the above.	uv. swall be limited to the amount paid by the client for the seeled by Cardinal within 30 days after completion of the applicable so of use, or loss of profits nourred by client, its subsidiaries, based inton any of the approximation.	
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Time: Time:	enson	•
Sampler - UPS - Bus - Other: 15 2.20 Gool Intact Gool Intact	n CHECKED BY:	
† Cardinal cannot accept verbal changes. Please fax written changes to 505, 303, 5476	F. 201 M/76	
	5-393-2476	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International Inc	(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 88240	ARUINAL LABORATO	6
<i>DI</i>	2476	88240	IES	
21112				CHAIN-OF-CI

Company Name: RRC International In-		
Project Manager: Cliff Bringon	BILL TO	ANALYSIS REQUEST
DO PAY ONE	P.O. #:	
O. BOX 805	Company:	
City: HODDS State: NM Zip: 88241	Attn:	
Phone #: 5/5-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: OXY	City:	State of the state
Project Name: Scholate & #		
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FOR LAB USE DAILY	Fax #:	
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rive. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits nouried by claims within 30 days after a competion of the applicable	received by Cardinal within 30 days after completion of the applicable so fuse, or loss of cools noursed by release it is a strandard and the solution of the	
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-395-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 mpany Name: RRC International Inc.

OTHER: ACID/BASE: ACID/BASE: PRESERV SAMPLING OTHER: OTHER: DATE DATE 2
TIME 1208

From: Bratcher, Mike, EMNRD

To: <u>Cliff Brunson</u>

Cc: Weaver, Crystal, EMNRD; Casey Summers; Jennifer Hudgens; Ken Swinney; Jennifer Gilkey; Kathy Purvis;

Tucker, Shelly

Subject: RE: OXY - Sundance 8 Federal #1 CTB (2RP-4054) - Remediation Plan

Date: Wednesday, February 15, 2017 11:00:42 AM

RE: OXY USA * Sundance 8 Fed 1 CTB * **2RP-4054** * DOR: 12/11/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled. Federal sites require BLM approval.

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

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

Mike Bratcher NMOCD District 2 811 S. First St. Artesia NM 88210 575-748-1283 Ext 108 mike.bratcher@state.nm.us

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

Sent: Tuesday, February 7, 2017 3:12 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Weaver, Crystal, EMNRD < Crystal. Weaver@state.nm.us>; Casey Summers

<Casey_Summers@oxy.com>; Jennifer Hudgens <jennifer_hudgens@oxy.com>; Ken Swinney

<kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis

<kathy@bbcinternational.com>

Subject: OXY - Sundance 8 Federal #1 CTB (2RP-4054) - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the OXY Sundance 8 Federal #1 CTB release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388

E-Mail: cbrunson@bbcinternational.com



Fax: (575) 397-0397

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From: Tucker, Shelly
To: Cliff Brunson

Cc: Casey Summers; Jennifer Hudgens; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Re: OXY - Sundance 8 Federal #1 CTB - Remediation Plan

Date: Tuesday, February 14, 2017 2:46:25 PM

BLM concurs with the NMOCD approval.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist O&G Spill/Release Coordinator

Bureau of Land Management 620 E. Greene St Carlsbad. NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular 575.234.6235 - Emergency Spill Number

stucker@blm.gov

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Tue, Feb 7, 2017 at 3:32 PM, Cliff Brunson < cbrunson@bbcinternational.com> wrote:

Shelly,

I have attached a remediation plan for the OXY Sundance 8 Federal #1 CTB release. This plan has been approved by Mike Bratcher of the NMOCD. OXY is requesting the BLM's approval of this plan as well. Upon your review of the materials, it would be appreciated if

you would respond via email with the BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS

President

BBC International, Inc.

World-Wide Environmental Specialists

Mailing Address:

P. O. Box 805

Hobbs, NM 88241-0805 USA

Shipping Address:

1324 W. Marland St.

Hobbs, NM 88240 USA

Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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