Closure Report

Site Description						
Site Name:	Harroun 9-1 CTB					
Company:	Oxy USA Inc.					
Legal Description:	U/L P, Section 9, T24S, R29E					
County:	Eddy County, NM					
GPS Coordinates:	N 32.22662 W-103.98184					

Release Data						
Date of Release:	11/04/2017					
Type of Release:	Oil and produced water					
Source of Release:	Hole in bottom of tank					
Volume of Release:	10 bbls oil, 110 bbls produced water					
Volume Recovered:	119 bbls					

Remediation Specifications							
Remediation Parameters:	Excavated the area near SP1 to a depth of 5 feet or as practicable and then placed a liner in the excavation. Excavated the areas of SP2 and SP3 to a depth of 3 feet and placed a liner in the excavation. Excavated the areas of SP3, SP4, and SP5 to a depth of 1 foot. Backfilled the site with clean soil.						
Remediation Activities:	06/11/2018 to 0	7/17/2018					
Plan Sent to OCD:	02/20/2018	Email from Cliff Brunson to Mike Bratcher					
OCD Approval of Plan:	04/30/2018	Email from Mike Bratcher to Cliff Brunson					
Plan Sent to BLM:	n/a	n/a					
BLM Approval of Plan:	n/a	n/a					

Supporting Documentation					
Initial C-141	Signed 11/21/2017				
Final C-141	Upon completion				
Site Diagram	November 2017				
Groundwater Plot	75'-100'				
TOPO Maps	November 2017				
Lab Summary	12/11/17-12/13/17				
Lab Analysis	12/11/17-12/13/17				
Correspondence	Request and approval of remediation plan via email				

Request for Closure

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

Wade Dittrich, Environmental Specialist

08/06/2018

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

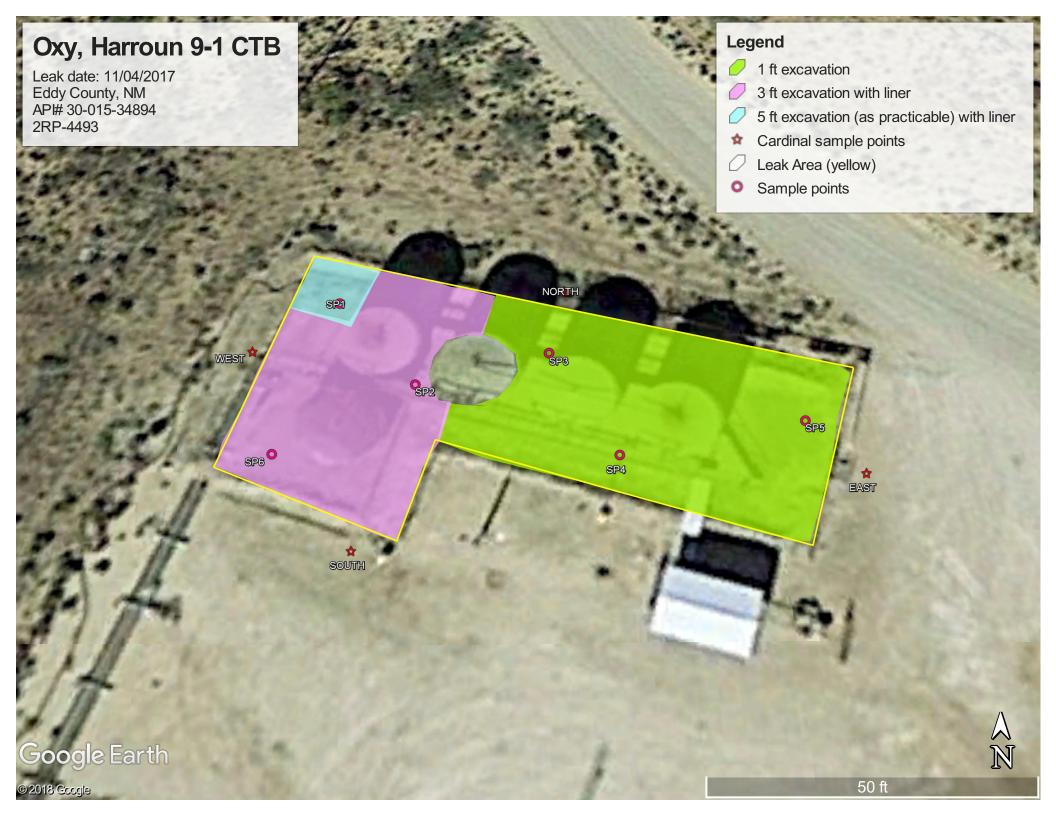
State of New Mexico **Energy Minerals and Natural Resources**

Form C-141 Revised April 3, 2017

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

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

Release Notific	cation	and Co	rrective A	ction			
		OPERA	TOR	Σ	Initia	Report	Final Report
Name of Company OXY USA INC			VADE DITTRIC				
Address PO BOX 4294; HOUSTON, TX 77210 Facility Name HARROUN 9-1 CTB		<u> Felephone N</u> Facility Typ		2828			
			e CIB				
Surface Owner PRIVATE Mineral C)wner	STATE			API No.	30-015-	34894
	TION	OF REI	LEASE				
Unit Letter Section Township Range Feet from the	North/	South Line	Feet from the	East/We	st Line		County
P 9 24S 29E 530	So	OUTH	330	EAS	st		EDDY
Latitude32.22637 _	L	ongitude -	103.98201	NAD83			
1000 W		OF REL					
Type of Release OIL & PRODUCED WATER	UKE	4-100-00-00-00-00-00-00-00-00-00-00-00-00	Release 10 BBLS	SOIL I	olume R	ecovered	119 BBLS
		110 BBLS	PRODUCED WA	ATER			
Source of Release HOLE IN BOTTOM OF TANK		Date and H	lour of Occurrence		Date and F 1/6/2017	lour of Disc	overy
Was Immediate Notice Given?		If YES, To					
✓ Yes ☐ No ☐ Not Re	equired ———		ATCHER-NMOC			AVER-NMO	DCD
By Whom? WADE DITTRICH Was a Watercourse Reached?		Date and H	lour 11/6/2017 Dlume Impacting t				
Yes No		II 1E5, VC	nume impacting t	ne waterc	ourse.		
If a Watercourse was Impacted, Describe Fully.	-	<u> </u>					
				20.3			
Describe Cause of Problem and Remedial Action Taken.*							
Hole in bottom of tank. The issue was corrected and return	ed to se	rvice.					
Describe Area Affected and Cleanup Action Taken.*							
•							
Affected area of the spill is approximately 50x100 ft (measi				i GPS tra	cking). I	Remediatio	n will be
completed in accordance with a remediation plan approved	by the I	NMOCD an	d the BLM.				
I hereby certify that the information given above is true and comp	lete to th	e best of my	knowledge and u	nderstand	that pursi	ant to NMC	OCD rules and
regulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C-141 report	erease no ort by the	NMOCD m	na periorm correc arked as "Final Re	tive actior enort" doe	is for rele s not relic	ases which reve the opera	nay endanger ator of liability
should their operations have failed to adequately investigate and re	emediate	contaminati	on that pose a thre	eat to grou	nd water,	surface wat	er, human health
or the environment. In addition, NMOCD acceptance of a C-141 federal, state, or local laws and/or regulations.	report do	es not reliev	e the operator of r	responsibi	lity for co	mpliance wi	ith any other
rederar, state, or local laws and/or regulations.			OIL CONS	SERVA	TION	DIVISIO	N
la la la blittat			OIL COIN	JLK + A	TIOIY.	<u> </u>	<u> </u>
Signature:							
Printed Name: WADE DITTRICH		Approved by	Environmental Sp	pecialist:			
Title: ENVIROMENTAL COORDINATOR	A	Approval Dat	Approval Date: Expiration I		piration E	Date:	
E-mail Address: wade_dittrich@oxy.com		Conditions of Approval:		Attached			
Date: 11-2/-17 Dhann 575 700 0000						Attached	
Date: Phone: 575-390-2828 Attach Additional Sheets If Necessary							V 10



Oxy, Harroun 9-1 CTB

Sample points, hand auger

SP1, N 32.22686 W-103.98242

SP2, N 32.22681 W-103.98237

SP3, N 32.22683 W-103.98229

SP4, N 32.22677 W-103.98225

SP5, N 32.22679 W-103.98214

SP6, N 32.22677 W-103.98245

NORTH, N 32.22687 W-103.98228

SOUTH, N 32.22672 W-103.98240

EAST, N 32.22676 W-103.98211

WEST, N 32.22683 W-103.98247

Oxy, Harroun 9-1 CTB U/L P, Section 9, T24S, R29E Groundwater: 75'-100'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

				-					•				
		POD	0	^	^							****	
		Sub-		Q								Wate	
POD Number	Code	basin County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDepth\	WellDepthWater Colur	mn
<u>C 00863</u>		ED	3	3	1	16	24S	29E	594524	3565091*	1594	220	
C 00863 CLW199506	O	ED	3	3	1	16	24S	29E	594524	3565091*	1594	220	
										Averag	ge Depth to Water:		
											Minimum Depth:		
											Maximum Depth:		

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 595823 **Northing (Y):** 3566015 **Radius:** 1700

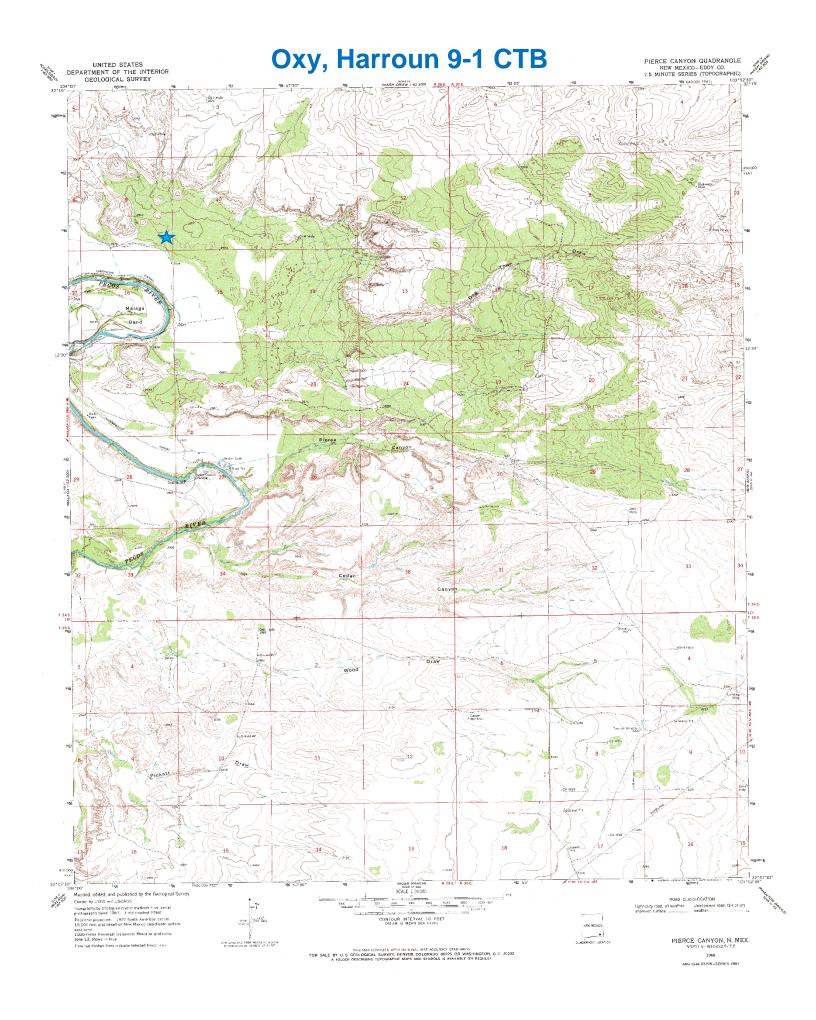
*UTM location was derived from PLSS - see Help

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.

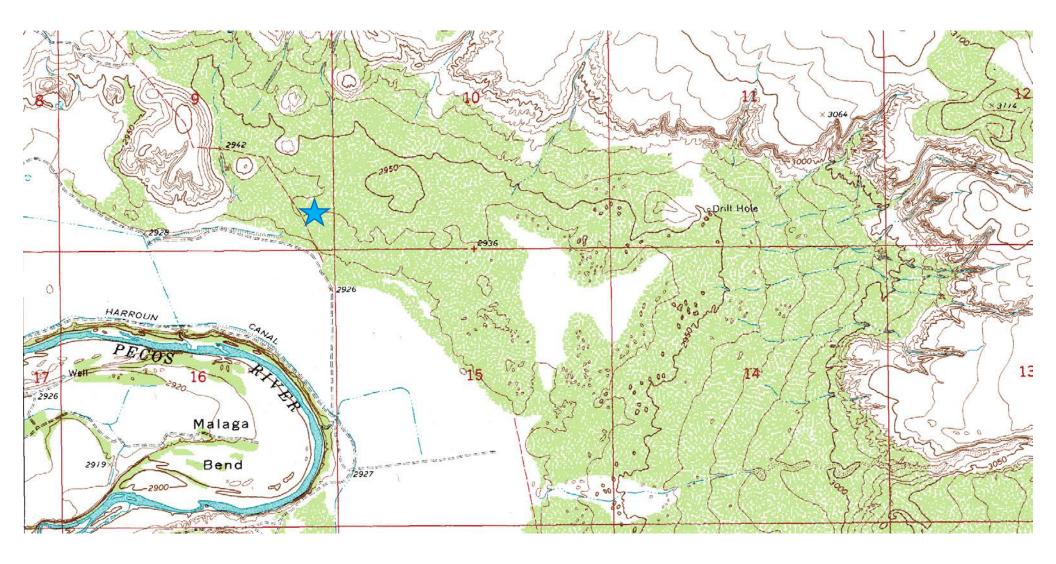
11/14/17 9:48 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Q64:	Public Land	Survey System (PLSS) Sec: 09 Tws: 24S Rng: 29E						
X: ft	State Plane Coo	ordinate System - NAD27 Zone:						
X: ft	State Plane Coo	ordinate System - NAD83 ^{Zone:}						
Longitude (X): Latitude (Y):								
Easting (X):	UTM - NAD27 Easting (X): mtrs Northing (Y): mtrs Zone:							
All Conversion Results are displayed as NAD 1983 UTM Zone 13 Easting (X): 595823.0 mtrs Northing (Y): 3566015.0 mtrs								
	~~ Please keep screen ope	en to copy UTM values for Reports. ~~						



Oxy, Harroun 9-1 CTB



Laboratory Analytical Results Summary HARROUN 9-1 CTB

		Sample ID	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 8'
Analyte	Method	Date	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		< 0.050	<0.100	< 0.500	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	0.154	0.522	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	<0.100	<0.500	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	0.774	6.46	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	0.928	6.98	< 0.300	< 0.300
Chloride	SM4500CI-B		10400	4320	5440	<16.0	32
GRO	TPH 8015M		<10.0	83.4	461	48.8	<10.0
DRO	TPH 8015M		165	1470	2970	1240	22.8
EXT DRO	TPH 8015M		146	331	526	424	55.3

		Sample ID	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'	SP2 @ 6'
Analyte	Method	Date	12/11/17	12/11/17	12/11/17	12/11/17	12/11/17
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		< 0.050	<0.100	<0.100	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	0.107	0.16	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	<0.100	<0.100	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.300	< 0.300	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	<0.600	<0.600	< 0.300	< 0.300
Chloride	SM4500CI-B		8800	4480	<16.0	64	32
GRO	TPH 8015M	·	<10.0	61.7	114	<10.0	<10.0
DRO	TPH 8015M	·	25.9	1220	1440	20.7	<10.0
EXT DRO	TPH 8015M		10.8	266	371	40.6	<10.0

		Sample ID	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	12/11/17	12/11/17	12/11/17
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B	i	< 0.050	0.214	< 0.050
Toluene	BTEX 8021B	i	< 0.050	0.293	< 0.050
Ethylbenzene	BTEX 8021B	i	< 0.050	0.075	< 0.050
Total Xylenes	BTEX 8021B	i	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B	i	< 0.300	0.607	< 0.300
Chloride	SM4500CI-B		32	64	<16.0
GRO	TPH 8015M		41.5	<10.0	<10.0
DRO	TPH 8015M		1270	315	<10.0
EXT DRO	TPH 8015M		402	132	<10.0

		Sample ID	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	12/13/17	12/13/17
			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
Chloride	SM4500CI-B		<16.0	48
GRO	TPH 8015M		21.1	<10.0
DRO	TPH 8015M		793	63
EXT DRO	TPH 8015M		173	12.5

		Sample ID	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	12/13/17	12/13/17
			mg/kg	mg/kg
Benzene	BTEX 8021B	1	< 0.050	< 0.050
Toluene	BTEX 8021B	1	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B	1	< 0.050	< 0.050
Total Xylenes	BTEX 8021B	1	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
Chloride	SM4500CI-B		48	<16.0
GRO	TPH 8015M		17.7	<10.0
DRO	TPH 8015M		516	79.3
EXT DRO	TPH 8015M		126	18.6

		Sample ID	SP6 @ 1'	SP6 @ 3'	SP6 @ 4'	SP6 @ 5'
Analyte	Method	Date	12/13/17	12/13/17	12/13/17	12/13/17
			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	0.183	0.26
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		6720	4240	<16.0	48
GRO	TPH 8015M		<10.0	<10.0	23.7	31
DRO	TPH 8015M		<10.0	<10.0	718	930
EXT DRO	TPH 8015M		<10.0	<10.0	178	227

			NORTH @	EAST @	WEST @	SOUTH @
		Sample ID	SURFACE	SURFACE	SURFACE	SURFACE
Analyte	Method	Date	12/13/17	12/13/17	12/13/17	12/13/17
			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
Chloride	SM4500CI-B		32	<16.0	<16.0	32
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0



December 27, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HARROUN 9-1 CTB

Enclosed are the results of analyses for samples received by the laboratory on 12/15/17 13:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/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)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applymed By MC

Project Location: OXY

Sample ID: SP1 @ 1 (H703487-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	< 0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 72-148							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	12/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	165	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	146	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	86.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.7	% 34.7-15	7						

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: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP1 @ 3 (H703487-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	0.154	0.100	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.100	0.100	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	0.774	0.300	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	0.928	0.600	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 72-148	}						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4320	16.0	12/20/2017	ND	432	108	400	0.00	
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*	83.4	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	1470	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	331	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	104	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	136	% 34.7-15	7						

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BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP1 @ 5 (H703487-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	0.522	0.500	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.500	0.500	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	6.46	1.50	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	6.98	3.00	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 72-148	3						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	12/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	461	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	2970	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	526	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	130	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	124	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/11/2017 Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP1 @ 7 (H703487-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 72-148	?						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	432	108	400	0.00	
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*	48.8	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	1240	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	424	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	92.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	129	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil
Project Name: HARROUN 9-1 CTB Sampling Condition: Cool

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: SP1 @ 8 (H703487-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 72-148							
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/20/2017	ND	432	108	400	0.00	
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	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	22.8	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	55.3	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	79.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	81.7	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/11/2017 Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP2 @ 1 (H703487-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 72-148	}						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	12/20/2017	ND	432	108	400	0.00	
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	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	25.9	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	10.8	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	79.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	84.8	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP2 @ 3 (H703487-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	0.107	0.100	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	< 0.100	0.100	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.300	0.300	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.600	0.600	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 72-148	}						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	12/20/2017	ND	432	108	400	0.00	
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*	61.7	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	1220	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	266	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	93.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	109	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact

Project Number: Sample Received By: NONE GIVEN Tamara Oldaker Project Location: OXY

Sample ID: SP2 @ 4 (H703487-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	0.160	0.100	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.100	0.100	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.300	0.300	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.600	0.600	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	142	% 72-148	3						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	432	108	400	0.00	
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*	114	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	1440	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	371	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	93.2	% 28.3-16	<i>i</i> 4						
Surrogate: 1-Chlorooctadecane	129	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 129 %

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Received: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP2 @ 5 (H703487-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 72-148							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/20/2017	ND	432	108	400	0.00	
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	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	20.7	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	40.6	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	92.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	97.4	% 34 7-15	7						

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 Received:
 12/15/2017
 Sampling Date:
 12/11/2017

 Reported:
 12/27/2017
 Sampling Type:
 Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: SP2 @ 6 (H703487-10)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 72-148	}						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	<10.0	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	85.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.4	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/11/2017 Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: OXY

Sample ID: SP3 @ 1 (H703487-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 72-148	3						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/20/2017	ND	432	108	400	0.00	
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*	41.5	10.0	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	1270	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	402	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	89.6	% 28.3-16							
Surrogate: 1-Chlorooctadecane	127	% 347-15	7						

Surrogate: 1-Chlorooctadecane 127 % 34.7-157

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Received: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil HARROUN 9-1 CTB

Project Name: Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP3 @ 2 (H703487-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.214	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	0.293	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	0.075	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	0.607	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/20/2017	ND	432	108	400	0.00	
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	12/20/2017	ND	238	119	200	0.833	
DRO >C10-C28*	315	10.0	12/20/2017	ND	213	106	200	3.06	
EXT DRO >C28-C36	132	10.0	12/20/2017	ND					
Surrogate: 1-Chlorooctane	72.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	101	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/11/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP3 @ 3 (H703487-13)

BTEX 8021B	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 72-148	}						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	<10.0	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	102 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	107 9	% 34.7-15	7						

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BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP4 @ 1 (H703487-14)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	400	100	400	0.00	
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*	21.1	10.0	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	793	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	173	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	99.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	114 9	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 114 %

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Received: 12/15/2017 Sampling Date: 12/13/2017 Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP4 @ 2 (H703487-15)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/20/2017	ND	400	100	400	0.00	
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	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	63.0	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	12.5	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	80.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	85.1	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP5 @ 1 (H703487-16)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/20/2017	ND	400	100	400	0.00	
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*	17.7	10.0	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	516	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	126	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	75.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	96.7	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 96.7 % 34.7-157

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Received: 12/15/2017 Sampling Date: 12/13/2017 Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP5 @ 2 (H703487-17)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2017	ND	1.70	85.2	2.00	0.0320	
Toluene*	<0.050	0.050	12/20/2017	ND	1.68	83.8	2.00	0.392	
Ethylbenzene*	<0.050	0.050	12/20/2017	ND	1.67	83.6	2.00	0.316	
Total Xylenes*	<0.150	0.150	12/20/2017	ND	5.16	86.0	6.00	0.544	
Total BTEX	<0.300	0.300	12/20/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 72-148	3						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	400	100	400	0.00	
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	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	79.3	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	18.6	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	67.4	% 28.3-16	<i>i</i> 4						
Surrogate: 1-Chlorooctadecane	74.2	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 74.2 %

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Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Analyzed By: MC

Project Location: OXY

ma/ka

Sample ID: SP6 @ 1 (H703487-18)

RTFY 8021R

BIEX 8021B	mg	/ kg	Analyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2017	ND	1.87	93.4	2.00	1.01	
Toluene*	< 0.050	0.050	12/22/2017	ND	1.88	94.1	2.00	0.0129	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	1.91	95.3	2.00	0.971	
Total Xylenes*	<0.150	0.150	12/22/2017	ND	5.86	97.7	6.00	1.14	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	12/20/2017	ND	400	100	400	0.00	
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	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	<10.0	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	70.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	73.0	% 34 7-15	7						

Surrogate: 1-Chlorooctadecane 73.0 % 34.7-157

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BBC International, Inc.

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Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Analyzed By: MC

Project Location: OXY

ma/ka

Sample ID: SP6 @ 3 (H703487-19)

RTFY 8021R

B1EX 8021B	mg	/ Kg	Analyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2017	ND	1.87	93.4	2.00	1.01	
Toluene*	< 0.050	0.050	12/22/2017	ND	1.88	94.1	2.00	0.0129	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	1.91	95.3	2.00	0.971	
Total Xylenes*	<0.150	0.150	12/22/2017	ND	5.86	97.7	6.00	1.14	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	12/20/2017	ND	400	100	400	0.00	
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	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	<10.0	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	72.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.1	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 76.1 % 34.7-157

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Soil



12/27/2017

Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/13/2017 Reported: Sampling Type:

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP6 @ 4 (H703487-20)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2017	ND	1.87	93.4	2.00	1.01	
Toluene*	<0.050	0.050	12/22/2017	ND	1.88	94.1	2.00	0.0129	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	1.91	95.3	2.00	0.971	
Total Xylenes*	0.183	0.150	12/22/2017	ND	5.86	97.7	6.00	1.14	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	144	% 72-148	}						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.7	10.0	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	718	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	178	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	76.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	104	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 104 %

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Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/13/2017 Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP6 @ 5 (H703487-21)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2017	ND	1.87	93.4	2.00	1.01	
Toluene*	<0.050	0.050	12/22/2017	ND	1.88	94.1	2.00	0.0129	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	1.91	95.3	2.00	0.971	
Total Xylenes*	0.260	0.150	12/22/2017	ND	5.86	97.7	6.00	1.14	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	172	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/20/2017	ND	400	100	400	0.00	
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*	31.0	10.0	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	930	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	227	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	75.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	90.9	% 34.7-15	7						

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Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: NORTH @ SURFACE (H703487-22)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2017	ND	1.87	93.4	2.00	1.01	
Toluene*	<0.050	0.050	12/22/2017	ND	1.88	94.1	2.00	0.0129	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	1.91	95.3	2.00	0.971	
Total Xylenes*	<0.150	0.150	12/22/2017	ND	5.86	97.7	6.00	1.14	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/20/2017	ND	400	100	400	0.00	
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	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	<10.0	10.0	12/21/2017	ND	205	102	200	11.7	

Surrogate: 1-Chlorooctadecane 77.0 % 34.7-157

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: EAST @ SURFACE (H703487-23)

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	12/22/2017	ND	1.87	93.4	2.00	1.01	
Toluene*	<0.050	0.050	12/22/2017	ND	1.88	94.1	2.00	0.0129	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	1.91	95.3	2.00	0.971	
Total Xylenes*	<0.150	0.150	12/22/2017	ND	5.86	97.7	6.00	1.14	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 72-148	}						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	400	100	400	0.00	
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	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	<10.0	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	78.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	82.4	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 82.4 % 34./-15/

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: WEST @ SURFACE (H703487-24)

Analyte	mg/kg		Analyzed By: MS						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2017	ND	1.87	93.4	2.00	1.01	
Toluene*	<0.050	0.050	12/22/2017	ND	1.88	94.1	2.00	0.0129	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	1.91	95.3	2.00	0.971	
Total Xylenes*	<0.150	0.150	12/22/2017	ND	5.86	97.7	6.00	1.14	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 72-148	3						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/20/2017	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	<10.0	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	76.2	% 28.3-16	<i>[4</i>						
Surrogate: 1-Chlorooctadecane	78.3	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 78.3 %

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BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 12/15/2017 Sampling Date: 12/13/2017

Reported: 12/27/2017 Sampling Type: Soil

Project Name: HARROUN 9-1 CTB Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SOUTH @ SURFACE (H703487-25)

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	12/22/2017	ND	3.90	97.4	4.00	2.14	
Toluene*	<0.050	0.050	12/22/2017	ND	3.86	96.4	4.00	1.94	
Ethylbenzene*	<0.050	0.050	12/22/2017	ND	3.83	95.6	4.00	1.39	
Total Xylenes*	<0.150	0.150	12/22/2017	ND	11.5	96.0	12.0	1.48	
Total BTEX	<0.300	0.300	12/22/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 72-148							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/20/2017	ND	400	100	400	0.00	
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	12/21/2017	ND	210	105	200	12.8	
DRO >C10-C28*	<10.0	10.0	12/21/2017	ND	205	102	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	12/21/2017	ND					
Surrogate: 1-Chlorooctane	74.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	75.5	% 34.7-15	7						

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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Celey D. Keine

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	BBC International, Inc.		BILL TO			ANALYSIS R	REQUEST	
Project Manager:	Cliff Brunson		P.O. #:					
Address: P.O. B	P.O. Box 805		Company:					
city: Hobbs	State: NM	M zip: 88241	Attn:					
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:					
Project #:	Project Ov	Project Owner: () 🛵	City:					
Project Name: H	THOUNG -		State: Zip:		+			
Project Location:			Phone #:		×			
Sampler Name:	Jeff Ormelas		Fax #:		E			
_		MATRIX	PRESERV. SAMPLING	NG	5			
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER VASTEWATER GOIL GLUDGE	OTHER: CID/BASE: DE / COOL OTHER:	TIME C.1	BTEX TPH 801			
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PLEASE NOTE: Liability and D analyses. All claims including the service. In no event shall Cardi	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	dy for any claim arising whether based in contractional be deemed waived unless made in writing an cluding without limitation, business interruptions,	ct or tort, shall be limited to the amount paind received by Cardinal within 30 days after, loss of use, or loss of profits incurred by the control of the c	id by the client for the er completion of the applic client, its subsidiaries,	cable			
affiliates or successors arising of	ssors arising out of or related to the performance of services hereund	hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	is based upon any of the above stated rea	asons or otherwise.	1	1		
relindustied by.	Lair.	The ceived by.	Λ	Fax Result:	□ Yes □ No	Add'l Fax #:		
10 4731	Time:	delating Isom	1/ (pr	REMARKS:				
Relinquished By:	Date:	Date: Received By:						

Cool Intact
Tyes Tyes
No No Sample Condition

(Initials

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BBC International, Inc.		BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:	
Address: P.O. Box 805		Company:	
City: Hobbs State: NM	Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-	575-397-0397	Address:	
Project #: Project Owner: 0 >	34	City:	
Project Name: Harroun 9-1078		State: Zip:	
Project Location:		#	+
Sampler Name: To A O Vicale		T	×
	-	Fax #:	= 2
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	. 6
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TLEASE MOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for includent or consensated framework.	claim arising whether based in contract or temed waived unless made in writing and rec	Cardinals liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the hepligence and any other cause whether whether the client waived unless made in writing and received by Cardinal within 30 days after completion of the all the formstand or procedured the statement of the completion of the all the formstands or procedured the statement of the completion of the all the contract of the completion of the all the contract of the	plicable
are the control of th	rithout limitation, business interruptions, loss	of use or loss of profits incurred by client its subsidiaries	

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By

Pate: 12015,17 Relinquished By

Date:

Received By:

Thuring Received By:

> Phone Result: Fax Result: REMARKS:

> > □ Yes

ON O

Add'l Phone #: Add'l Fax #:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

yer: Cliff Brunson O. Box 805	BILL TO	
O. Box 805	0.0.#:	
	Company:	
City: HODDS State: NM Zip: 88241 Attn:	Attn:	
5-397-6388 F	\ddress:	
Project #: Project Owner: () X City:	ity:	
J	к.	
Phone #:		-+
	ax #:	E>
FOR LAB USE ONLY MATRIX PRESERV SAMPLING	٦	5
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME C T H S O T H S	ACID/BASE: ICE / COOL OTHER: DATE TIME	BTEX
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Cool Intact

Yes Yes

No No

Sampler - UPS - Bus - Other:

Delivered By: (Circle One) Hules Genery 1/1.

Relinquished By:

Relinquished By

1622/

Date:

Phone Result: Fax Result: REMARKS:

□ Yes

ON O

Add'l Phone #: Add'l Fax #:

Date:

Received By: - Bullish Received By: From: Bratcher, Mike, EMNRD

To: <u>Cliff Brunson</u>

Cc: "Wade Dittrich"; Jennifer Smith@oxy.com; Weaver, Crystal, EMNRD; "Ken Swinney"; "Jennifer Gilkey"; "Kathy

Purvis"

Subject: RE: OXY Harroun 9-1 CTB (2RP-4493) - Delineation Workplan

Date: Monday, April 30, 2018 12:51:23 PM

RE: OXY USA * Harroun 9-1 CTB * 2RP-4493 * DOR: 11/4/17

Cliff,

Your proposal for remediation of the above referenced release is approved.

Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210 575~748~1283 Ext 108

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

From: Cliff Brunson <cbrunson@bbcinternational.com>

Sent: Tuesday, February 20, 2018 12:19 PM

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

Cc: 'Wade Dittrich' <Wade_Dittrich@oxy.com>; Jennifer_Smith@oxy.com; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>

Subject: OXY Harroun 9-1 CTB (2RP-4493) - Delineation Workplan

Mike,

Please find the attached Delineation Workplan and remediation proposal for the OXY Harroun 9-1 CTB (2RP-4493) that we discussed today in your office. OXY is looking forward to the OCD's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:

P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com



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