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DELINEATION WORKPLAN

OXY - HARROUN 9-1 CTB (Leak Date: 11/04/17)

RP # 2RP- 4493

This delineation workplan and remediation proposal addresses the release associated with RP # 2RP-4493.

The following information includes:

- 1. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
- 2. GPS information for sample points and sample methodology
- 3. Depth to groundwater information (i.e., pdf of OSE search results and/or copy of Chevron groundwater trend map).
- 4. Laboratory analysis results summary table and original laboratory analysis reports
- 5. A copy of the initial C-141
- 6. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD guidelines, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram. The leak area SP1 (blue shade on diagram) will be excavated to a depth of 5 feet or as practicable and then a liner placed. The leak area near SP2 and SP6 (pink shade on diagram) will be excavated to a depth of 3 feet then a liner placed. The leak area near SP3-SP5 (green shade on diagram) will be excavated to a depth of 1 foot.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

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



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'

34829



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)

,			,	1					<i>></i> / (/	, ,	
		POD											
		Sub-	Q	Q	Q								Water
POD Number	Code	basin County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDepth	WellDepthWa	ter Column
<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

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

^{*}UTM location was derived from PLSS - see Help

C	Public Land Survey System (PLSS) Q64: Q16: SE Q4: SE Sec: 09 Tws: 24S Rng: 29E
C	State Plane Coordinate System - NAD27 X: 0 ft Y: 0 ft Zone:
C	State Plane Coordinate System - NAD83 X: 0 ft Y: 0 ft Zone:
O	Degrees/Minutes/Seconds Longitude (X): Degrees: 0 ° Minutes: 0 ' Seconds: 0 " Latitude (Y): Degrees: 0 ° Minutes: 0 ' Seconds: 0 "
O	UTM - NAD27 Description: Descr
_	SUBMIT
	All Conversion Results are displayed as NAD 1983 UTM Zone 13 Easting (X): 595823.0 mtrs Northing (Y): 3566015.0 mtrs ~~ Please keep screen open to copy UTM values for Reports. ~~

Laboratory Analytical Results Summary HARROUN 9-1 CTB

		Sample ID SP1 @ 1'	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	BTEX 8021B		<0.050	<0.100	<0.500	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	0.774	6.46	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	0.928	86'9	<0.300	<0.300
Chloride	SM4500CI-B		10400	4320	5440	<16.0	32
GRO	TPH 8015M		<10.0	83.4	194	48.8	<10.0
DRO	TPH 8015M		165	1470	0267	1240	22.8
EXT DRO	TPH 8015M		146	331	979	424	22.3

		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	BTEX 8021B		<0.050	<0.100	<0.100	<0.050	<0.050
Total Xylenes	otal Xylenes BTEX 8021B		<0.150	008.0>	<0.300	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	009'0>	<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	997	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		050.0>	0.214	<0.050
Toluene	BTEX 8021B		050.0>	0.293	<0.050
Ethylbenzene BTEX 8021B	BTEX 8021B		090'0>	0.075	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<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	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 @ 1'	SP5@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	BTEX 8021B		<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<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 @ 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	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	BTEX 8021B		<0.150	<0.150	0.183	0.26
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	008'0>
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	026
EXT DRO	TPH 8015M		<10.0	<10.0	178	227

		ومساما	NORTH @	EAST @	NORTH @ EAST @ WEST @ SOUTH @	SOUTH @
		эатріе пр	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	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes BTEX 8021B	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. Keene

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

Project Location: OXY

Sample ID: SP1 @ 1 (H703487-01)

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, SM4500CI-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	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*	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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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 NONE GIVEN Sample Received By: Project Number: 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	7						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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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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 @ 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	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	74						
Surrogate: 1-Chlorooctadecane	124	% 34.7-15	7						

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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, 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*	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						

Surrogate: 1-Chlorooctadecane 129 %

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Tamara Oldaker

Sample Received By:



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: 12/11/2017

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

Project Location: OXY

NONE GIVEN

Sample ID: SP1 @ 8 (H703487-05)

Project Number:

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	12/20/2017	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	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*	<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		Analyzed 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		Analyze	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						
G	0.4.0.4		-						

Surrogate: 1-Chlorooctadecane 84.8 % 34.7-157

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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 NONE GIVEN Sample Received By: Project Number: Tamara Oldaker

Project Location: OXY

Sample ID: SP2 @ 3 (H703487-07)

BTEX 8021B	mg	/kg	Analyzed 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 HARROUN 9-1 CTB

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

Project Location: OXY

Sample ID: SP2 @ 4 (H703487-08)

BTEX 8021B	mg/kg		Analyzed 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							
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	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 & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP2 @ 5 (H703487-09)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 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	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 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	9749	% 34 7-15	7						

97.4 % 34.7-157 Surrogate: 1-Chlorooctadecane

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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 @ 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 %	6 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*	<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 9	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.4 %	6 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 NONE GIVEN Sample Received By: Project Number: Tamara Oldaker

Project Location: OXY

Sample ID: SP3 @ 1 (H703487-11)

BTEX 8021B	mg,	/kg	Analyze	Analyzed 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	% 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*	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	4						
Surrogate: 1-Chlorooctadecane	127	% 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: SP3 @ 2 (H703487-12)

BTEX 8021B	mg/kg		Analyze	Analyzed 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, SM4500Cl-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*	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						

Surrogate: 1-Chlorooctadecane 101 %

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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 An			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	95.4	% 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*	<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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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 NONE GIVEN Sample Received By: Project Number: 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	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*	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						

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Tamara Oldaker

Sample Received By:



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

Project Location: OXY

NONE GIVEN

Sample ID: SP4 @ 2 (H703487-15)

Project Number:

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	12/20/2017	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, SM4500Cl-B	mg/	'kg	Analyzed 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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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 NONE GIVEN Sample Received By: Project Number: 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	3						
Chloride, SM4500Cl-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						

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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 HARROUN 9-1 CTB

Project Name: Sampling Condition: Cool & Intact Project Number: Sample Received By: 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	}						
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	4						
Surrogate: 1-Chlorooctadecane	74.2	% 34.7-15	7						

Surrogate: 1-Chlorooctadecane 74.2 %

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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: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY

Sample ID: SP6 @ 1 (H703487-18)

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	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						

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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

Analyzed By: MC

Project Location: OXY

ma/ka

Sample ID: SP6 @ 3 (H703487-19)

RTFY 8021R

BIEX 8021B	mg/	кg	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	% 347-15	7						

Surrogate: 1-Chlorooctadecane 76.1 % 34.7-157

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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 @ 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	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*	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 9	% 34.7-15	7						

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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 Project Number: Sample Received By: 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 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	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						

Surrogate: 1-Chlorooctadecane 90.9 % 34.7-157

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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: 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	% 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	

ND

Surrogate: 1-Chlorooctane 74.7 % 28.3-164
Surrogate: 1-Chlorooctadecane 77.0 % 34.7-157

<10.0

10.0

EXT DRO >C28-C36

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12/21/2017

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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	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	94.2	% 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	<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						

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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: WEST @ SURFACE (H703487-24)

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	94.7 9	% 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	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 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.3 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
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY

Sample ID: SOUTH @ SURFACE (H703487-25)

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	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	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	
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

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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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476		
Company Name: 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 #: 575-397-0397	Address:	
Project #: Project Owner: 🔾 🌣 ץ	City:	
Project Name: Harrown 9-1 CTB	State: Zip:	+
Project Location:	Phone #:	: ×
)		

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: () kv	OXY	City:	
Project Name: Harrown 9-1 CTB		State: Zip:	+
Project Location:		Phone #:	: *
Sampler Name: Jeff Ormelas		Fax #:	E
FOR LAB USE ONLY	MATRIX	PRESERV SAMPLING	5
Lab I.D. Sample I.D.	B OR (C)OMP. ITAINERS INDWATER EWATER GE	R: BASE: COOL	T Ex
12460LH	# CON	OTHE ACID/ ICE // OTHE DATE TIME	CLB
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	ny claim arising whether based in contrac	t or tort, shall be limited to the amount paid by the client to	or the

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

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

Relinquished By

Date: |3.17

Received By:

Received By:

Sample Condition

Cool Intact
Tyes Tyes
No No

(Initials

Thouse Genry

Phone Result: Fax Result: REMARKS:

□ Yes

O No

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Company Name: BBC International, Inc.	BILL TO	
Project Manager: Cliff Brunson	PO #-	ANALTOIS REQUEST
Address: P.O. Box 805	Company:	
city: Hobbs State: NM	Zip: 88241 Attn:	
Phone #: 575-397-6388 Fax #: 575		
Project #: Project Owner: 0		
Project Name: Harroun 9-1 CTB		
Project Location:	Phone #:	+
Sampler Name: JA F Ormplas	Fax#:	= ×
FOR LAB USE ONLY	MATRIX PRESERV SAMPLING	
	S ER R	015
Lab I.D. Sample I.D. H기03418-7	(G)RAB OR (C # CONTAINER GROUNDWAT WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: CE / COOL OTHER:	CL BTEX TPH 80
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	BBC International, Inc.		BILL TO				ANALYSIS REQUEST	JEST	_
Project Manage	Project Manager: Cliff Brunson		P.O. #:			+			_
Address: P.O.	Box 805		Company:			_			_
city: Hobbs	State: NM	Zip: 88241	Attn:						_
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:			_			_
Project #:	Project Owner:	: 02m	City:			_			_
Project Name:	Project Name: Harroun 9-1 CT 0	J	State: Zip:			_			
Project Location:			Phone #:			++			
Sampler Name:	Jeff amplas		Fax #:			Ex			_
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	LING		5			
Lab I.D. Н 103487	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TIME	BTEX	TPH801			
32	SP605		<	21,5	<	<			
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25	S @ Surf	-	< <u></u>	2145	7	<			
	7) Them.								
	15, 17 Strange								
PLEASE NOTE: Liability and Damages analyses. All claims including those for r service. In no event shall Cardinal be liab affiliates or successors arising out of or r	PLEASE NOTE: Lability and Damages. Cardinal's sability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for neptigence and any other cause whatboever shall be detend waived unless made in writing and neceived 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 incrumed by claims, it is a shall be consequent to the profit of the consequent and the profit of the consequent and the consequent and the consequence of the	y claim arising whether based in contr termed waived unless made in writing i without limitation, business interruption rdinal, regardless of whether such clair	act or tort, shall be limited to the amount p and received by Cardinal within 30 days at s, loss of use, or loss of profits incurred by m is based upon any of the above stated r	aid by the client for the ther completion of the appli client, its subsidiaries, reasons or otherwise.	icable				
Relinquished By:	Jahr	Thomas Ir	on la	Phone Result: Fax Result: REMARKS:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:		
Relinquished By:	By: Date: [7:151]	Received By:	Colon Market						
Delivered By: (Circle One)	(Circle One) - 2.16	Sample Condition Cool Intact	ition CHECKED BY:						
		1							•

Cool Intact

Pres Pres
No D No

Sampler - UPS - Bus - Other:

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 Notification and Corrective Action											
						OPERAT		\boxtimes	Initial	Report	Final Report
Name of Co Address F		OXY USA I 294; HOUS'		77210		Contact V Celephone N	VADE DITTRIC				
Facility Nan		ROUN 9-1		77210		acility Typ		2020			
Surface Own	ner PRI	VATE		Mineral C	wner	STATE		A	API No.	30-015	-34894
	-			LOCA	TION	OF REI	EASE				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West	t Line		County
Р	9	24S	29E	530	SC	OUTH	330	EAS	r		EDDY
			Latitud	de32.22637 _	L	ongitude	103.98201	NAD83			
				NAT	URE (OF RELI	EASE				
Type of Relea	ase OIL d	& PRODUCE	D WATE	₹		ı	Release 10 BBLS		olume Re	covered	119 BBLS
Source of Rel	ease HO	LE IN BOTT	OM OF T	ANK			our of Occurrenc	e Da		lour of Disc	covery
Was Immedia	Was Immediate Notice Given? Was Immediate Notice Given? ✓ Yes ☐ No ☐ Not Required MIKE BRATCHER-NMOCD; CRYSTAL WEAVER-NMOCD										
			Yes	No 🗌 Not Re	quired					AVER-NM	OCD
By Whom? Was a Watero	By Whom? WADE DITTRICH Date and Hour 11/6/2017 @ 9:28 AM Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. □ Yes ☑ No										
			Yes 🛛	No			p	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
If a Watercou	rse was Im	pacted, Descri	be Fully.	f:	1/2	<u>L</u>					
Describe Cause of Problem and Remedial Action Taken.*											
Hole in bottom of tank. The issue was corrected and returned to service.											
Hole in bottom of tank. The issue was corrected and returned to service.											
Describe Area Affected and Cleanup Action Taken.*											
Affected area of the spill is approximately 50x100 ft (measurements are subject to change with GPS tracking). Remediation will be											
				plan approved				i Ors trac	King). F	Kemediani	on will be
I hereby certif	fy that the i	nformation gi	ven above	is true and comp	lete to th	e best of my	knowledge and u	nderstand th	hat pursu	ant to NM	OCD rules and
regulations al	l operators or the envir	are required to	report an	d/or file certain re e of a C-141 repo	elease no	tifications ar	nd perform correct arked as "Final Re	tive actions	for relea	ases which	may endanger
should their o	perations h	ave failed to a	dequately	investigate and re	emediate	contamination	on that pose a thre	eat to groun	id water,	surface wa	iter, human health
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/	· -	1			OIL CON	SERVAT	ΓΙΟΝΙ	DIVISIO	<u>N</u>
Signature:	/ Sho	lekle	M								
Printed Name	: WADE	DITTRICH				Approved by	Environmental S	pecialist:			
Title: ENV	IROMENT	AL COORDI	NATOR		1	Approval Dat	e:	Exp	iration D	ate:	
E-mail Addre		dittrich@oxy				Conditions of	277		1		
	-21-1			-390-2828						Attached	

^{*} Attach Additional Sheets If Necessary