Closure Report

APPROVED

By OCD; Dr. Oberding at 11:07 am, Apr 24, 2015

By OCD; Dr. Oberding at 11:07 am, Apr 24, 2015

Site Description								
Site Name:	Manda B Tract C Tank Battery							
Company:	Oxy Permian Ltd.							
Legal Description:	U/L C, Section 28, T22S, R37E							
County:	Lea County, NM							
GPS Coordinates:	N 32.36877° W 103.16985°							

Release Data								
Date of Release:	03/17/2014 and 05/20/2014							
Type of Release:	Oil and produced water and Produced water							
Source of Release:	Tank overflow							
Volume of Release:	40 bbls mix and 30 bbls							
Volume Recovered:	0 bbls							

Remediation Specifications									
Remediation Parameters:	Excavate the areas around SP1, SP2, and SP3 to a depth of 2 feet. Then, place a liner in the excavation. Excavate the area around SP4 to a depth of 4 feet. Backfill the site with clean soil.								
Remediation Activities:	03/23/2015 to 03/27/2015								

Plan Sent to OCD:	10/21/2014	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	10/22/2014	Email from Tomas Oberding 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 04/15/2014 and 06/02//2014							
Final C-141	Signed 04/21/2015							
Site Diagram	March 2014 and May 2014							
Groundwater Plot	50'-100'							
TOPO Maps	March 2014							
Lab Summary	04/15/2014-04/17/2015, 05/22/2014, and 08/28/2014							
Lab Analysis	04/15/2014-04/17/2015, 05/22/2014, and 08/28/2014							
Correspondence	Request and approval of remediation plan via email							

Request for Closure

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

Cliff Brunson, President of BBC International Inc.

04/22/2015

<u>District I</u> 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

Revised August 8, 2011

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

Release Notification and Corrective Action

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

Form C-141

		·			OPERATOR			Initial Report Final Report				
Name of C		Oxy Permia	n Ltd.			Contact Chancey Summers						
Address	1017 W. St	tanolind Rd,	Hobbs, 1	VM 88240		Telephone No. (575) 397-8216						· · · · · · · · · · · · · · · · · · ·
Facility Na	me Mane	da B Tract C	Tank Ba	attery		Facility Typ	e Tank Batte	ry				
Surface Ow	ner BLN	Л		Mineral C	wner	 			API N	0,		
				LOCA	TIO	I OF DEL						
Unit Letter	Section	Township	Range	Feet from the		OF REI	Feet from the	E a a t /XX	est Line			
				T cot iroin the	TYOTUT	South Line	rect from the	East/W	est Line	County		
C	28	22S	37E						·	Lea County	<u>, NM</u>	
]	Latitude <u>N 32.3</u>	<u>6877°</u>	Longitu	de <u>W 103.1698.</u>	<u>5°</u>				
				NAT	URE	OF RELI	EASE					
Type of Rele	<u>.</u>	d Produced w				Volume of 40 bbls mix	.		Volume l 0 bbls	Recovered	-	
Source of Re the oil tanks	to overflow		parator m	alfunctioned and	caused	Date and H 03/17/2014	our of Occurrenc	е	Date and	Hour of Disc	overy	
Was Immedia	ate Notice G		Yes 🔲	No 🔲 Not Re	quired	If YES, To Geoffrey Lo	Whom? eking, NMOCD a	ınd Jenn	ifer VanC	Curen, BLM	-	
By Whom?	Kathy Purv	⁄is				Date and H	our 03/17/2014	1 @ 3:08	pm			
Was a Water	course Reach		Yes 🛛	No		If YES, Vo	lume Impacting tl	he Water	course.		-	
If a Watercou	rse was Imp	acted. Descril	e Fully.*	<u> </u>					_			
Describe Cau The water dur were recovere	np on the se	parator malfu	nctioned a	and caused the oil	tanks to	overflow spi	lling 40 bbls of o	il and pr	oduced w	ater onto the į	ground	No fluids
Describe Area					- -							
The affected a the BLM.	rea is appro	ximately 8' x	80' on loc	cation. Remediati								
public health of should their of	or the environerations have ment. In add	nment. The a ve failed to ad lition, NMOC	report and cceptance equately i 'D_accepta	s true and comple l/or file certain rel of a C-141 repor nvestigate and rer unce of a C-141 re	lease not t by the nediate	afications and NMOCD mai contamination	l perform correcti ked as "Final Re that pose a three	ive action port" doc at to grou	ns for rele es not relie	eases which me eve the operate	ay end for of li	anger ability
Signature:							OIL CONS	ERVA	TION	DIVISION	<u>1</u>	
Printed Name:	Chancey	Summers		COLUMN TO THE PARTY OF THE PART	A	pproved by E	nvironmental Spe	ecialist:				
Title: HES	Specialist	<u> </u>			A	oproval Date:		Ex	piration D	Pate:		
E-mail Addres	s: <u>Chance</u>	y.Summers@	oxy.com Phone:	(575) 397-8216	C	Conditions of Approval: Attached						
Attach Additi				(313) 391-0210	<u>l</u>							

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Form C-141

Revised August 8, 2011

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

	Release Notification and Corrective Action										
						OPERA'			al Report 🔲	Final Report	
Name of Co		Oxy Permia		TM 99240		Contact Chancey Summers					
Address 1017 W. Stanolind Rd, Hobbs, NM 88240 Facility Name Manda B Tract C Tank Battery						Telephone I Facility Typ			<u>-</u>		
Surface Owner BLM Mineral Owner						t dollity Typ	Talk Batto				
)wner			API No	·		
LOCATI											
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County		
C	28	22S	37E						Lea County, NM		
]	atitude N 32.3	6877°	Longitu	de W 103.1698:	5°			
				NAT	URE (OF RELI					
Type of Rele	ase Produ	iced water		MAI	OICE .	Volume of		Volume F	Recovered		
Course of Dai		-1114-15-	, C			30 bbls		0 bbls	27		
Source of Rei	iease Tra riggering th	sn collected if ie tanks to spi	i transfer p Il over	oump meter and co	aused	Date and H 05/20/2014	lour of Occurrenc	e Date and	Hour of Discovery		
Was Immedia		riven?				If YES, To	Whom?				
			Yes	No 🗌 Not Re	quired	L		Oberding, NMOC	D		
By Whom? Was a Water	Kathy Pur					Date and H	lour 05/21/2014 dume Impacting the	4 @ 11:57 am			
Trasa traces	ourse Reac		Yes 🛛	No		II I E.S, VO	nume impacting ti	ne watercourse.			
If a Watercou	rse was Im	pacted, Descri	be Fully.*								
Describe Cau	ed in the tra	nsfer pump an	d plugged	it up triggering th	ne tanks	to spill over	and leak 30 bbls o	of produced water	onto the ground. N	o fluids	
were recovere	ed and the ti	ansfer pump	was cleare	d of debris.							
Describe Area	a Affected a	and Cleanup A	ction Tak	en.*					-		
approved by I	VMOCD an	d the BLM.							with a remediation	-	
regulations all public health should their o	l operators a or the envir perations ha ment. In ac	are required to onment. The ave failed to a ddition, NMO	report an acceptance dequately CD accept	d/or file certain re e of a C-141 repor investigate and re	lease no rt by the mediate	tifications an NMOCD ma contaminatio	d perform correct arked as "Final Re on that pose a thre	ive actions for rele port" does not reli at to ground water	uant to NMOCD ru cases which may en- eve the operator of , surface water, hun ompliance with any	danger liability nan health	
	-/-) (/_					OIL CONS	<u>ERVATION</u>	<u>DIVISION</u>		
Signature:		\rightarrow	-								
Printed Name	: Chance	y Summers			A	pproved by I	Environmental Sp	ecialist:			
Title: HES	Specialist	<u>.</u>			A	pproval Date	e:	Expiration I	Date:		
E-mail Addres		ey.Summers@	@oxy.com		С	onditions of	Approval:		Attached		
Date: 6	-2-1	4	Phone:	(575) 397-8216	5						

^{*} Attach Additional Sheets If Necessary

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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 **OPERATOR** Initial Report Name of Company Oxy Permian Ltd. Contact Christopher Jones Address 1502 W. Commerce Dr., Carlsbad, NM Telephone No. (575) 628-4121 Facility Name Manda B Tract C Tank Battery Facility Type Tank Battery Surface Owner BLM Mineral Owner API No. LOCATION OF RELEASE Unit Letter Section Township Feet from the North/South Line Range Feet from the East/West Line County C 28 228 37E Lea County, NM Latitude N 32.36877° **Longitude** W 103.16985° NATURE OF RELEASE Type of Release Oil and Produced water Volume of Release Volume Recovered 40 bbls mix 0 bbls Water dump on separator malfunctioned and caused Source of Release Date and Hour of Occurrence Date and Hour of Discovery the oil tanks to overflow 03/17/2014 Was Immediate Notice Given? If YES, To Whom? Geoffrey Leking, NMOCD and Jennifer VanCuren, BLM By Whom? Kathy Purvis Date and Hour 03/17/2014 @ 3:08 pm Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* The water dump on the separator malfunctioned and caused the oil tanks to overflow spilling 40 bbls of oil and produced water onto the ground. No fluids were recovered and the water dump issue was resolved. Describe Area Affected and Cleanup Action Taken.* The affected area is approximately 8' x 80' on location. Remediation was completed in accordance with the remediation plan approved by Tomas Oberding of NMOCD via email on 10/22/2014. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Digitally signed by Chris Jones DN: cn=Chris Jones, o, ou, Chris OIL CONSERVATION DIVISION email=ckjones888@yahoo.com Signature: Jones Date: 2015 04 21 11:28:48 -05'00 Approved by Environmental Specialist: Printed Name: Christopher Jones HES Specialist Approval Date: **Expiration Date:** E-mail Address: Christopher Jones@oxy.com Conditions of Approval: Attached Phone: (575) 628-4121

^{*} Attach Additional Sheets If Necessary

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

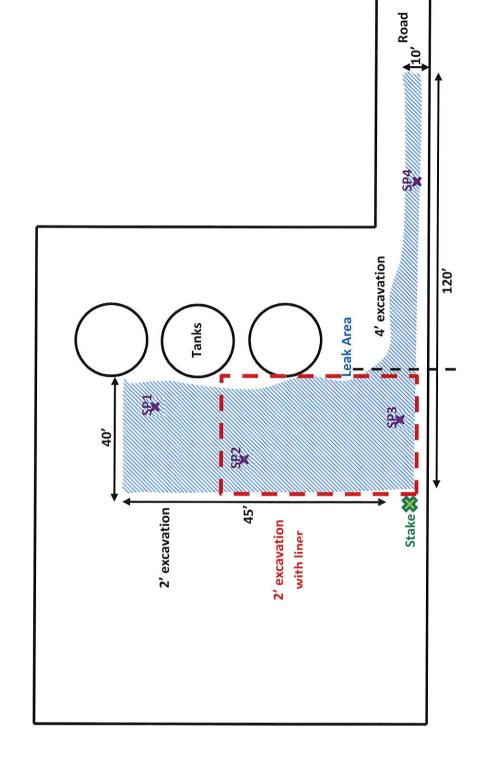
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rei	ease Notific	atio	n and Co	orrective A	ction				
						OPERA	ΓOR		☐ Initi	al Report	\boxtimes	Final Report
Name of Co	1 -	Oxy Permia	100 COLUMN 10 SEASON			Contact Christopher Jones					•	
		ommerce Di				Telephone 1						
Facility Nar	ne Man	da B Tract C	Tank Ba	attery		Facility Typ	e Tank Batter	ry				
Surface Ow	ner BLN	М		Mineral O	wner				API No).		
				LOCA	TIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range			/South Line	Feet from the	East/W	Vest Line	County		
С	28	22S	37E							Lea County	, NM	
	Latitude N 32.36877° Longitude W 103.16985°											
				***************************************		OF RELI						
Type of Relea	ase Produ	iced water		11711		Volume of			Volume F	Recovered		
	14					30 bbls			0 bbls			
Source of Rel				oump meter and ca	used		our of Occurrence	e	Date and	Hour of Disc	overy	
it to plug up t Was Immedia			II over			05/20/2014 If YES, To						
was minicale	ite riotice C		Yes	No Not Rec	quired		eking and Tomas	Oberdin	ng, NMOC	D		
By Whom?	Kathy Pur	vis				Date and H	our 05/21/2014	4@11:5	7 am			
Was a Watero	course Reac		_	E.		If YES, Vo	lume Impacting tl	he Water	rcourse.			
		Ц	Yes 🛛	No								
If a Watercou	rse was Imp	pacted, Descri	be Fully.*	•								
Describe Caus	se of Proble	m and Remed	lial Action	Taken.*								
Trach collecte	d in the tra	nefer numn ar	d plugged	it up triggering th	o tonk	to smill oxion	and look 20 bbla a	ef mus dec	and water	outo the ower	ad M	o Auido
were recovere	ed and the tr	ansfer pump	was cleare	d of debris.	C tallk	s to spili over	and leak 30 bbis c	or produ	ced water o	onto the grou	na. No	o muids
			200000	Paulos (1) (1979), 34 (1982) (1) (1994) (1944) (1945) (1								
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*								
The affected a	rea is annro	oximately 35'	x 50' on 1	ocation and down	the ros	nd Remediati	on was completed	in acco	rdance wit	h the remedi	ation n	lan
approved by T	Tomas Ober	ding of NMO	CD via en	nail on 10/22/2014		id. Remedian	on was completed	i ili acco	rdance wit	ii tiic remedi	аноп р	lan
I hereby certif	fy that the ir	nformation give	ven above	is true and comple	te to th	ne best of my	knowledge and un	derstand	d that purs	uant to NMO	CD ru	les and
				d/or file certain rel e of a C-141 report								
				investigate and rer								
or the environ	ment. In ac	ldition, NMO	CD accept	tance of a C-141 re	eport d	oes not relieve	the operator of re	esponsib	ility for co	mpliance wi	th any	other
federal, state,	or local law		lations.	lones								
C	aric Io		hris longs o or	T.			OIL CONS	SERV	ATION	DIVISIO:	N	
Signature:	טל פווו	C=US	5 04 21 11 20 2	o ocioni								
		Uale: 201	5.04.21 11:28:2	8-05.00		Approved by	Environmental Sp	ecialist:				
Printed Name:	Christon	her Jones				approved by		- I				
Title: HES	Specialist					Approval Date	2:	E	xpiration I	Date:		
						notes begans so			•			
E-mail Addres	ss: <u>Christ</u>	opher_Jones@	voxy.com			Conditions of	Approval:			Attached		
Date:			Phone:	(575) 628-4121								

^{*} Attach Additional Sheets If Necessary

Manda B Tract C Tank Battery

Oxy



Lea County, NM

DRWG by: K. Purvis

Date: 03/28/14 NOT TO SCALE

File: Oxy 2014

Manda B Tract C Tank Battery

Oxy

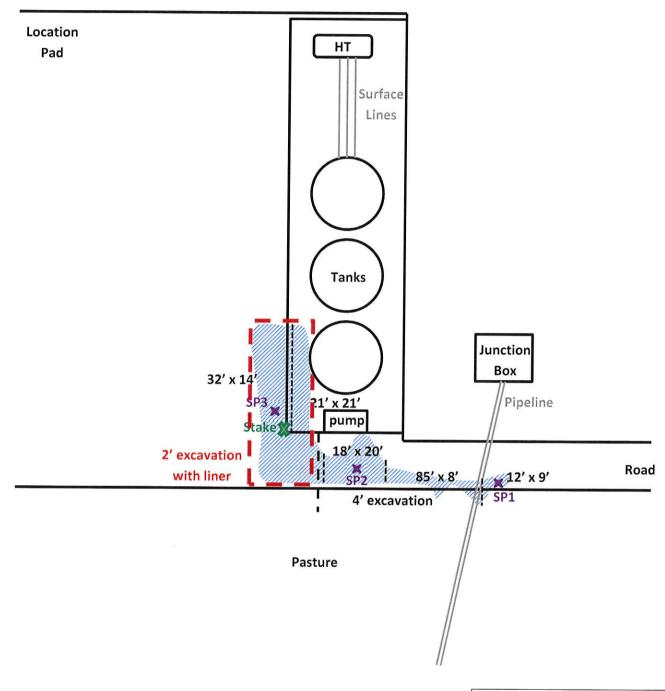
BBC International, Inc.

U/L C, Section 28, T225, R37E N 32.36877° W 103.16985°

N 1

Manda B Tract C Tank Battery (5/20/14)

Оху



U/L C, Section 28, T22S, R37E Lea County, NM N 32.36871° W 103.16980°

BBC International, Inc.							
(Оху						
Manda B Trac	ct C Tank Battery						
Date: 05/23/2014	DRWG by: K. Purvis						
NOT TO SCALE File: Oxy 2014							

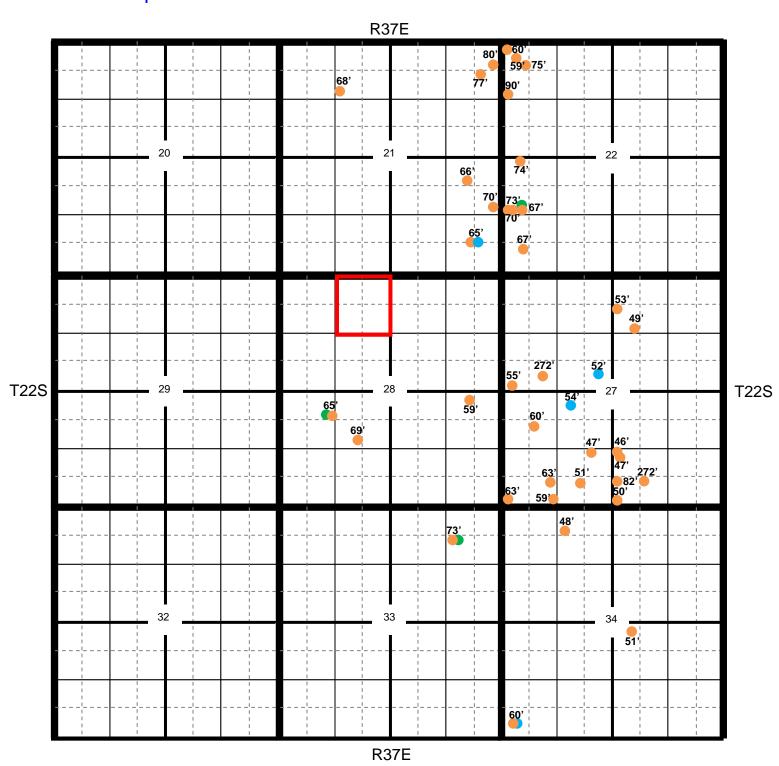


Groundwater Plot

Oxy Manda B Tract C Tank Battery

CountyUnit LetterSectionTownshipRangeLeaC2822S37E

Trend Map 50'-100'



Location

OCD

USGS

SEO

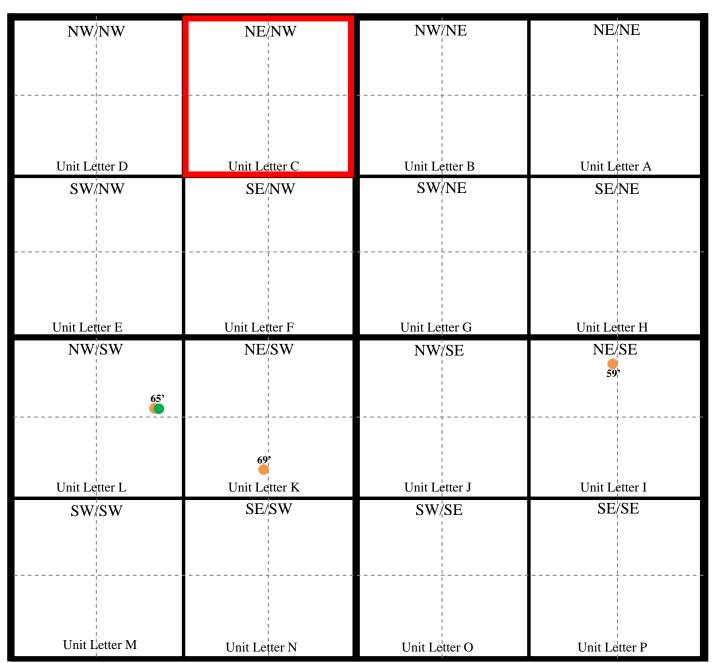
All Databases

Oxy Manda B Tract C Tank Battery

CountyUnit LetterSectionTownshipRangeLeaC2822S37E

Trend Map 50'-100'

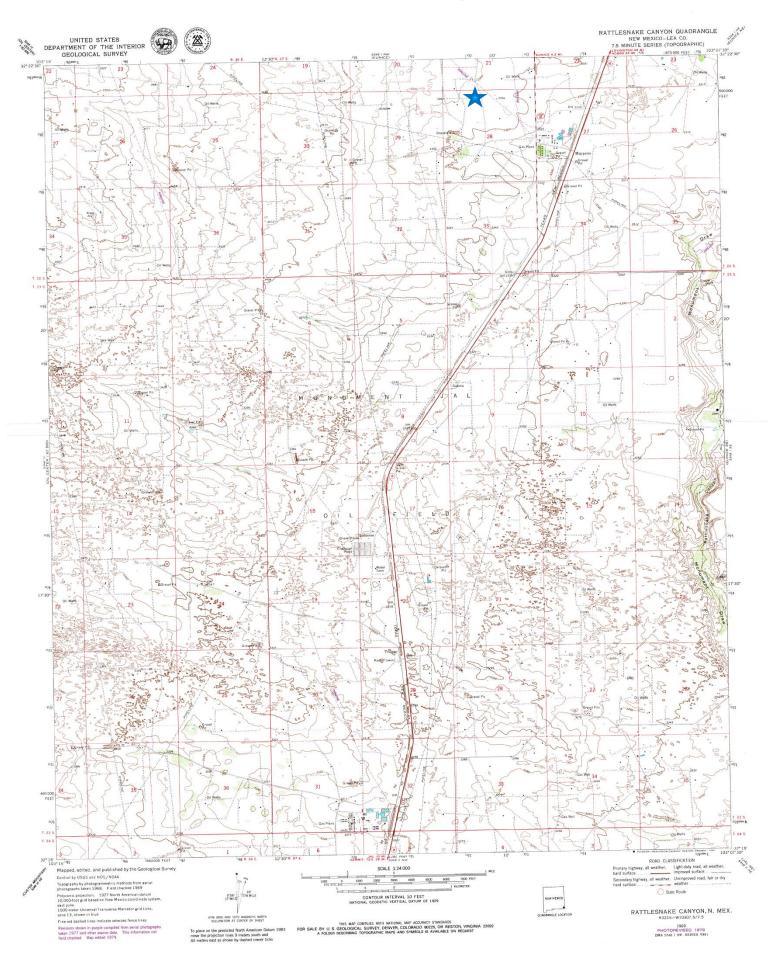
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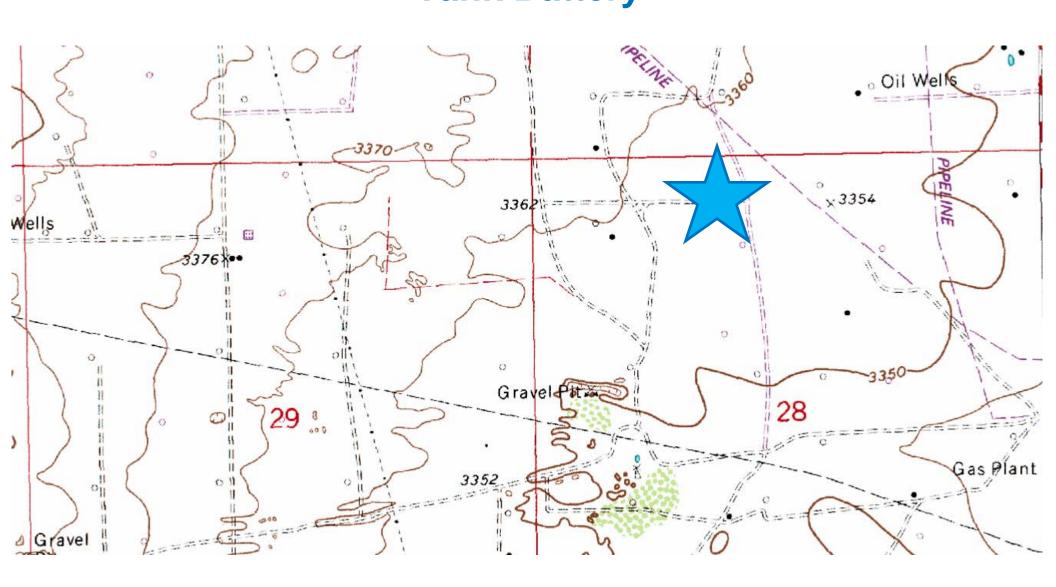
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Оху

Manda B Tract C TB



Oxy Manda B Tract C Tank Battery



Laboratory Analytical Results Summary Manda B Tract C Tank Battery

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'
Analyte	Method	Date	4/15/14	4/15/14	4/15/14	4/15/14
			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	368	640	160
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 6'	SP2 @ 9'
Analyte	Method	Date	4/15/14	4/15/14	4/15/14	4/17/14	4/17/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		<0.100	< 0.050	<0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		0.113	< 0.050	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		0.506	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		0.62	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		96	320	528	752	288
GRO	TPH 8015M		14.8	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		492	35.8	<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 6'	SP3 @ 8'
Analyte	Method	Date	4/17/14	4/17/14	4/17/14	4/17/14	4/17/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		256	736	704	304	192
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	37	<10.0	30.4	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 5'	SP4 @ 7'
Analyte	Method	Date	4/17/14	4/17/14	4/17/14	4/17/14	4/17/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	<0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		5760	9120	8500	240	288
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary Manda B Tract C Tank Battery

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'
Analyte	Method	Date	5/22/14	5/22/14	5/22/14	8/28/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		7920	1020	608	240

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	5/22/14	5/22/14	5/22/14	8/28/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		544	592	368	288

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'	SP3 @ 7'	SP3 @ 9'	SP3 @ 10'
Analyte	Method	Date	5/22/14	5/22/14	5/22/14	5/22/14	5/22/14	8/28/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		752	528	544	704	336	336



April 28, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MANDA B TRACT C

Enclosed are the results of analyses for samples received by the laboratory on 04/21/14 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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: 04/21/2014 Sampling Date: 04/15/2014 Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 1 @ 1 (H401194-01)

BTEX 8021B	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	<0.300	0.300	04/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	<10.0	10.0	04/22/2014	ND	195	97.7	200	3.58	
Surrogate: 1-Chlorooctane	114 9	% 65.2-14	0						
Surrogata: 1 Chloroctadacana	111 0	V 63 6 15	1						

111 % Surrogate: 1-Chlorooctadecane 63.6-154

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

Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/15/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 1 @ 2 (H401194-02)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	<0.300	0.300	04/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	<10.0	10.0	04/22/2014	ND	195	97.7	200	3.58	
Surrogate: 1-Chlorooctane	106	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	106	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Received: 04/21/2014 Sampling Date: 04/15/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 1 @ 3 (H401194-03)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	<0.300	0.300	04/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	184	91.9	200	5.44	
DRO >C10-C28	<10.0	10.0	04/22/2014	ND	195	97.7	200	3.58	
Surrogate: 1-Chlorooctane	83.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	91.6	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

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Received: 04/21/2014 Sampling Date: 04/15/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 1 @ 5 (H401194-04)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	< 0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	<0.300	0.300	04/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/22/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	93.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.6	% 63.6-15	4						

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Received: 04/21/2014 Sampling Date: 04/15/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 2 @ 1 (H401194-05)

BTEX 8021B	mg/	kg	Analyze	d By: CK					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.100	0.100	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	0.113	0.100	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	0.506	0.300	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	0.620	0.600	04/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	149 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14.8	10.0	04/22/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	492	10.0	04/22/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	120 9	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 121 % 63.6-154

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Received: 04/21/2014 Sampling Date: 04/15/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 2 @ 2 (H401194-06)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	2.29	115	2.00	2.53	
Toluene*	<0.050	0.050	04/22/2014	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	2.14	107	2.00	2.07	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	6.22	104	6.00	1.49	
Total BTEX	<0.300	0.300	04/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	126 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	35.8	10.0	04/22/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	112 9	65.2-14	0						
G . 1 CH . 1	1066		,						

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Received: 04/21/2014 Sampling Date: 04/15/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 2 @ 3 (H401194-07)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/22/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/22/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/22/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/24/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/22/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/22/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	97.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.0	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 97.0 % 63.6-154

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Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 2 @ 6 (H401194-08)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/23/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/23/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/23/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/23/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	79.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.4	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 83.4 % 63.6-154

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Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 2 @ 9 (H401194-09)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	< 0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	< 0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	100 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.9	% 63.6-15	4						

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Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 3 @ 1 (H401194-10)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	109 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110 9	63.6-15	4						

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Celey D. Keine



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 3 @ 2 (H401194-11)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	37.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	101 9	% 65.2-14	0						
	07.7	0/ /2/15							

97.7 % 63.6-154 Surrogate: 1-Chlorooctadecane

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Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 3 @ 3 (H401194-12)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	< 0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	< 0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	104 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	63.6-15	4						

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Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 3 @ 6 (H401194-13)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	30.4	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	114 %	65.2-14	0						

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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BBC International, Inc. Cliff Brunson

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Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 3 @ 8 (H401194-14)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	96.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	95.2	% 63 6-15	4						

Surrogate: 1-Chlorooctadecane 95.2 % 63.6-154

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Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 4 @ 1 (H401194-15)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	110 9	65.2-14	0						
6	100 (

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 4 @ 2 (H401194-16)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	< 0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	< 0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9120	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	105 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	104 9	63.6-15	4						

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Celey D. Keine



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 4 @ 3 (H401194-17)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8500	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	101 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	106 9	63.6-15	4						

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Celey D. Keine



BBC International, Inc. Cliff Brunson

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Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 4 @ 5 (H401194-18)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	<0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	98.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	92.0	% 63.6-15	4						

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Fax To: (575) 397-0397

Received: 04/21/2014 Sampling Date: 04/17/2014

Reported: 04/28/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 4 @ 7 (H401194-19)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	2.47	
Toluene*	< 0.050	0.050	04/24/2014	ND	1.71	85.4	2.00	3.28	
Ethylbenzene*	< 0.050	0.050	04/24/2014	ND	1.70	85.1	2.00	2.80	
Total Xylenes*	<0.150	0.150	04/24/2014	ND	5.08	84.7	6.00	3.50	
Total BTEX	<0.300	0.300	04/24/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/24/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/23/2014	ND	198	98.8	200	5.58	
DRO >C10-C28	<10.0	10.0	04/23/2014	ND	216	108	200	7.28	
Surrogate: 1-Chlorooctane	94.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.5	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

Cardinal Laboratories *=Accredited Analyte

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FAX (505)	משמט, חטווים
393-2476	OFTOO ININ .

lol	303) 393-2320 1 AX (303) 393-241				
Company Name:	BBC International, Inc.		BILL TO	ANALYSIS REQUEST	1
Project Manager: Cliff Brunson	Cliff Brunson		P.O. #:		
Address: P.O. Box 805	ox 805		Company:		
city: Hobbs	State: NM	Zip: 88241	Attn:		
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:		
Project #:	Project Owner:	: OXV	City:	1	
Project Name: N	landa-B Tract-	0	State: Zip: 4		
Project Location:	Einice in		Phone #:	<u> </u>	
Sampler Name:	TEFF ORNIELL	15			
FOR LAB USE ONLY		⊕. MATRIX	PRESERV. SAMPLING	1	
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Relinquished By:	aled to the performance of	Received By:	Phone Res Fax Result: REMARKS	Phone Result:	
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	Tim	J. yarburu	CHECKED BY:		
Sampler - UPS - Bus - Other:	Bus - Other:	0.1			

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

Page 22 of 23

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

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Company Name:	BBC International, Inc.		BILL TO	ANALYSIS REQUEST
Project Manager:	Cliff Brunson		P.O. #:	
Address: P.O. Box 805	30x 805		Company:	
city: Hobbs	State: NM	Zip: 88241	Attn:	
Phone #: 575-397-6388	Fax #:	575-397-0397	Address:	
Project #:	Project Owner:	in OXV	city: The	
Project Name: /	Nanda - B Trac	710	State: Zip:	
Project Location:	Smicalli		Phone #:	
Sampler Name:	Voll Oreles		Fax #:	<u>></u>
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
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Relinquished By Relinquished By Delivered By: (Circle One) Date: Timen B 700 Received By: CHECKED BY: Fax Result: REMARKS:

Phone Result:

□ Yes

O No

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

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

(Initials)

Sampler - UPS - Bus - Other:



May 29, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MANDA B TRACT C TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/23/14 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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: 05/23/2014 Sampling Date: 05/22/2014

Reported: 05/29/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Amanda Ponce

Project Location: EUNICE, NM

Sample ID: SP 1 @ 1 (H401599-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7920	16.0	05/29/2014	ND	400	100	400	3.92	
Sample ID: SP 1 @ 3 (H4	01599-02)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	05/29/2014	ND	400	100	400	3.92	
Sample ID: SP 1 @ 5 (H4	01599-03)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/29/2014	ND	400	100	400	3.92	
Sample ID: SP 2 @ 1 (H4	01599-04)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/29/2014	ND	400	100	400	3.92	

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: 05/23/2014 Sampling Date: 05/22/2014

Reported: 05/29/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C TANK BATTERY Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Amanda Ponce

Project Location: EUNICE, NM

Sample ID: SP 2 @ 3 (H40	1599-05)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/29/2014	ND	400	100	400	3.92	
Sample ID: SP 2 @ 4 (H40	1599-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/29/2014	ND	400	100	400	3.92	

iampie 1D: SP 3 @ 1 (H401599-0/)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	05/29/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 3 (H401599-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/29/2014	ND	400	100	400	3.92	

Sample ID: SP 3 @ 5 (H401599-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/29/2014	ND	400	100	400	3.92	

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 05/23/2014 Sampling Date: 05/22/2014

Reported: 05/29/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Amanda Ponce

Project Location: EUNICE, NM

Sample ID: SP 3 @ 7 (H401599-10)

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 704 16.0 05/29/2014 ND 400 100 400 3.92

Sample ID: SP 3 @ 9 (H401599-11)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier Analyte Result % Recovery Chloride 336 16.0 05/28/2014 416 104 400 3.77 ND

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

	(505) 393-2326 FAX (505) 393-2476		
Company Name:	Company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson	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: 2	3
Project #:	Project Owner:	: OXY City:	
Project Name:	Manh - B Trut-C	That Buffery State: Zip:	
Project Location:	23,4133	Phone #:	
Sampler Name:	VEFF DRYELA	Fax #:	
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Sample Condition
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Sampler - UPS - Bus - Other: Delivered By: (Circle One)

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

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(000) 000-000-000-000		. 1
Company Name: BBC International, Inc.	BILL TO	ANALIOIO NEGOLOI
Project Manager: Cliff Brunson	P.O.#:	
Address: P.O. Box 805	Company:	
City: Hobbs State: NM	VM Zip: 88241 Attn:	
5-397-6388 Fax#:	575-397-0397 Address:	
Project #: Project Owner:	wner: ON City: Va	
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FOR IAB USE ONLY	MATRIX PRESERV. SAMPLING	ING
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PLEASE NOTE: Liability and Damages. Cardinal's liability and cleant's exclusive rem analyses. All claims including those for negligence and any other cause whatsoever service. In no event shall Cardinal be liable to tholdenial or consequential damages.	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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	aald by the client for the first form of the first form of the spoke form of the spoke form of the spoke first first form of the spoke first form of the spoke first form of the spoke first first first form of the spoke first fir
affiliates or successors arising out of or related to the performance of services hereunder by Cardina Relinquished By: Date: Re	Received By:	Phone Result: D Yes D No Add'l Phone #:
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



September 05, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MANDA B TRACT C

Enclosed are the results of analyses for samples received by the laboratory on 08/28/14 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 08/28/2014 Sampling Date: 08/28/2014

Reported: 09/05/2014 Sampling Type: Soil

Project Name: MANDA B TRACT C Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: EUNICE, NM

Sample ID: SP 1 @ 6 (H402670-01)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Analyte Result Chloride 240 16.0 09/04/2014 ND 432 108 400 3.77

Sample ID: SP 2 @ 5 (H402670-02)

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 288 16.0 09/04/2014 ND 432 108 400 3.77

Sample ID: SP 3 @ 10 (H402670-03)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 336 16.0 09/04/2014 ND 400 3.77 432 108

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Kathy Purvis

From: Oberding, Tomas, EMNRD <Tomas.Oberding@state.nm.us>

Sent: Wednesday, October 22, 2014 7:44 AM

To: Cliff P. Brunson

Cc:C J Summers; Ken Swinney; Jennifer Gilkey; Kathy PurvisSubject:RE: OXY - Manda B Tract C Tank Battery - Remediation Plan

Aloha Cliff et all.

Thank you for the meeting yesterday.

Based on the documentation provided OCD approves the remediation plan as written.

I appreciate you help in maintaining a clear paper trail of our logic for others to follow.

Have a great day and be safe out there everyone.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD

Environmental Specialist – New Mexico Oil Conservation Division

Energy, Minerals and Natural Resources Department

1625 N. French Dr. Hobbs, NM 88240

(O): (575) 393-6161 ext 111

(C): 575-370-3180 (F): (575) 393-0720

E-Mail: tomas.oberding@state.nm.us

Website: http://www.emnrd.state.nm.us/ocd/

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

Sent: Tuesday, October 21, 2014 5:50 PM

To: Oberding, Tomas, EMNRD

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: Re: OXY - Manda B Tract C Tank Battery - Remediation Plan

Tomas,

After our meeting this morning, I have altered the remediation plan to reflect our discussion and agreement. Please find attached a revised remediation plan and site drawing that depicts the changes.

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

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
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From: "Tomas J. Oberding" < tomas.oberding@state.nm.us>

Date: Monday, October 20, 2014 at 1:40 PM

To: Cliff Brunson <cbrunson@bbcinternational.com>

Cc: C J Summers < Chancey Summers@oxy.com >, Ken Swinney < kswinney@bbcinternational.com >, Jennifer Gilkey

<jgilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>

Subject: RE: OXY - Manda B Tract C Tank Battery - Remediation Plan

Aloha Mr Brunson et al,

Thank you for sending in this document.

There are serious concerns with the impact and impact at depth. Particularly on the west side- the high contaminant levels are not even addressed in the first 2 feet. In addition no mention of a liner to account for deeper contamination is mentioned.

As written the OCD does NOT approve the full plan proposed.

The southern section, does appear to begin to address the contaminants at depth, though SP3 in the second set remains above allowable limits even at 7'.(Depth to groundwater according to our source is 50'-100' in this area).

Please address these concerns. Feel free to contact me for further discussion.

I appreciate your help with this.

-Doc

Tomáš 'Doc' Oberding, PhD Environmental Specialist – New Mexico Oil Conservation Division Energy, Minerals and Natural Resources Department 1625 N. French Dr. Hobbs, NM 88240

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

Sent: Monday, October 20, 2014 12:01 PM

To: Oberding, Tomas, EMNRD

Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis Subject: OXY - Manda B Tract C Tank Battery - Remediation Plan

Tomas,

This e-mail is to confirm our conversation on September 22, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. The agreed upon remediation plan is on the first page of the attachment along with the RP number per your previous request. This site is a State only jurisdiction location.

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

Thanks, Cliff

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