District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Revised August 8, 2011

Form C-141

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.

					(	<b>OPERA</b>	ГOR		🛛 Initia	l Report		Final Report
Name of Co		Oxy Permia					asey Summers			•		
		ive, Midland		705		Telephone I		-8289				
Facility Nan	ne MOC	SWD Well	Battery		F	acility Typ	e Battery					
Surface Ow	ner BLN	M		Mineral C	wner				API No	. 30-015-2	1669	
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County		
K	7	20S	25E							Eddy		
			]	Latitude N 32.5	58654°	Longitu	de W 104.52686	6°				
						OF REL						
Type of Relea	ase Oil			11111	OILL		Release 50 bbls		Volume F	Recovered	25 bbl	s
Source of Rel		s in bottom of	tank			Date and F 02/04/2016	lour of Occurrenc	е	Date and	Hour of Dis	covery	-
Was Immedia	te Notice C	Given?				If YES, To						
		$\boxtimes$	Yes	No Not Re	equired	Mike Brate	cher, Heather Patt	erson-N	MOCD; SI	ielly Tucker	-BLM	
By Whom?			nternation	al Inc.		Date and F						
Was a Watero	course Read		Yes 🗵	No	'	If YES, Vo	olume Impacting t	he Wate	rcourse.			
If a Watercou	rse was Im	pacted, Descr	ibe Fully.	*								
			•									
Describe Cau	se of Probl	em and Reme	dial Actio	n Taken.*								
Holes in the b	oottom of ta	ink caused a l	eak of 50	bbls of oil. A vac	uum truc	k recovered	25 bbls of oil and	the hole	es were rep	aired.		
Describe Area	a Affected	and Cleanup	Action Tal	(en *								
		-										
The affected a remediation p				n location inside the	he contai	nment. Rem	nediation will be o	omplete	d in accord	dance with a	ın appr	oved
. concording p												
				is true and comp								
				nd/or file certain r ce of a C-141 repo								
should their o	perations h	ave failed to	adequately	investigate and r	emediate	contaminati	ion that pose a thr	eat to gr	ound wate	r, surface w	ater, hu	man health
or the enviror	ment. In a	duition, NMC	OCD accep	otance of a C-141								
federal, state,	or lot al la	ws and/or regu	ılations.						· 			
		1					OIL CON	<u>SERV</u>	<u>ATION</u>	DIVISIO	<u>NC</u>	
Signature:	M		-									
Printed Name	: Casey	Summers				Approved by	Environmental S	pecialist	::			
		tal Advisor				Approval Da	te:	]	Expiration	Date:		
E-mail Addre		y_Summers@	oxy.com			Conditions o						
		13 -	_			oonemons v	pp10 · ui.			Attached	1 🔲	
Date:	-16-	10	Phone	: (575) 513-828	39							

<sup>\*</sup> Attach Additional Sheets If Necessary

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 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.

			Relea	ase Notifica	atior	and Co	rrective Ac	tion				
						<b>OPERAT</b>	OR		] Initial	Report	$\boxtimes$	Final Report
Name of Co		Oxy Permia		305			Casey Summers					
Facility Na		ive, Midland CSWD Well		/05		Telephone N Facility Typ		3-8289	-	<u> </u>		
			Buttery	Tan an	- 10		Battery			200		
Surface Ow	ner BLI	<u>vi</u>		Mineral C	)wner			API No	. 30-015-:	21669		
			00.00		TIOI	OF REL	EASE					
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/We	est Line	County		
K	7	20S	25E							Eddy		
			L	ntitude N 32.5	8654°	Longitud	e <u>W 104.52686</u>	0				
				13 11670		OF RELE		_				
Type of Rele							Release 50 bbls	,	Volume R	ecovered	25 bb	ols
		s in bottom of	tank			02/04/2016		e 1	Date and I	Hour of Di	scover	у
Was Immedi	ate Notice (		Yes [	No Not Re	equirec	If YES, To Mike Brate	Whom? her, Heather Patt	erson-NM	IOCD; Sh	elly Tucke	r-BLN	1
By Whom?		vis @ BBC Ir	nternation	al Inc.			lour 02/05/2016					
Was a Water	course Read		Yes 🗵	No		If YES, Vo	lume Impacting t	he Watero	course.			
If a Watercou	irse was Im	pacted, Descri	ibe Fully.	k					_			
			-									
Describe Cau	se of Probl	em and Remed	dial Actio	n Taken.*								
Holes in the	oottom of ta	ink caused a le	ak of 50 l	obls of oil. A vac	uum tr	uck recovered	25 bbls of oil and	the holes	were repa	aired.		
Describe Are	a Affected	and Cleanup A	Action Tal	en.*								
The affected	area is annr	oximately 25'	x 100° or	location inside t	he cont	ainment Rem	ediation was com	mleted in	accordan	ea with the	ramad	istion plan
approved by	Mike Bratch	her of NMOC	D via ema	il on 03/17/2016	and Ar	thur Arias of the	ne BLM via email	l on 03/17	//2016.	e with the	remeu	iation pian
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to	the best of my	knowledge and u	nderstand	that mire	uant to NM	10CD	rules and
regulations a	ll operators	are required to	report ar	nd/or file certain r	elease	notifications ar	nd perform correc	tive action	ns for rele	ases which	may e	endanger
public health	or the envi	ronment. The	acceptano	e of a C-141 repo	ort by ti	he NMOCD m	arked as "Final Ro	eport" do	es not reli	eve the ope	erator o	of liability
or the enviro	ment. In a	ddition. NMC	idequatery CD accer	investigate and retance of a C-141	emeai: report	does not reliev	on that pose a thre e the onerator of r	eat to groi resnonsihi	und water ility for co	, surface w impliance :	ater, h with ar	uman health
federal, state.	or local lav	vs and/or regu	lations.				o the operator of ,	форонили	inty for co		** 1551 GI	iy other
	/\						OIL CONS	SERVA	TION	DIVISIO	NC	
Signature:				41-7								
Deletad Na	V					Approved by	Environmental Sp	pecialist:				
Printed Name	: Casey	Summers			$\dashv$							
Title: NM I	<u>Environmen</u>	tal Advisor				Approval Dat	e:	Ex	piration [	Date:		
E-mail Addre	ss: Case	y_Summers@	oxy.com			Conditions of	Annroyal+					2.0
,	7 11					Conditions Of	· -ppro-ui			Attached		
Date:	17   -	-16	Phone	(575) 513-828	9							
Attach Addition	Juai Sneet	s II necessar	У									



# Оху

# MOC SWD Well Battery (2/4/16)

Entrance Road

1' Excavation 33' x 33' 3' Excavation or as practicable **X** Stake 1' Excavation Tanks 65' x 10'

Well Head

U/L K, Section 7, T20S, R25E Eddy County, NM N 32.58654° W 104.52686°

API# 30-015-21669

**BBC** International, Inc.

Oxy MOC SWD Well Battery

Date: 02/12/2016 DRWG by: K. Purvis

NOT TO SCALE File: Oxy 2016



# **Groundwater Plot**

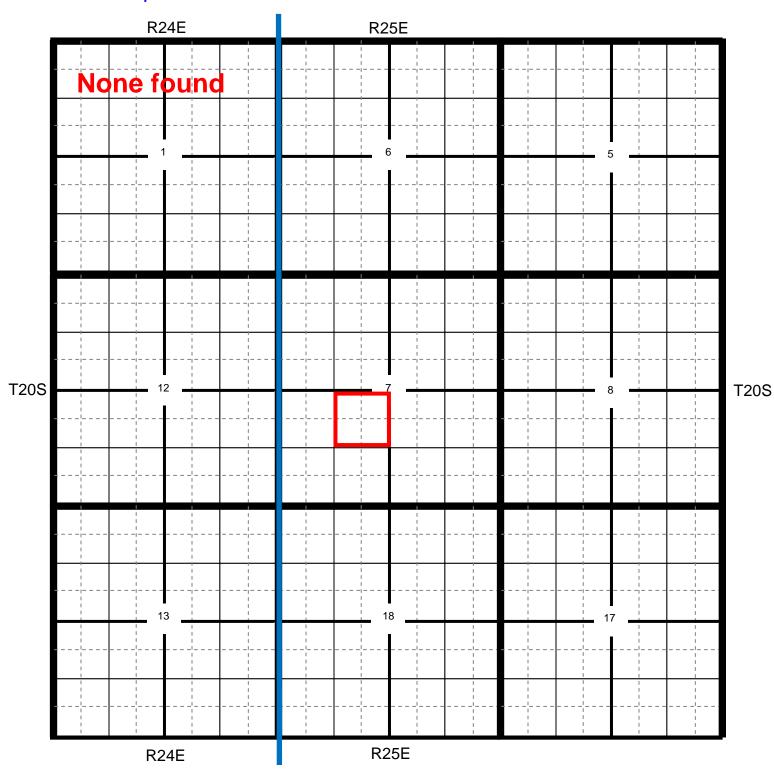
# Oxy MOC SWD Well Battery

CountyUnit LetterSectionTownshipRangeEddyK720S25E

Trend Map 175'-200'

Location

OCD



USGS

SEO

All Databases

# Laboratory Analytical Results Summary MOC SWD Well Battery

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'	SP1 @ 8'	SP1 @ 9'
Analyte	Method	Date	2/16/16	2/16/16	2/16/16	2/16/16	2/16/16	2/16/16	2/16/16
			mg/Kg						
Benzene	BTEX 8021B		0.56	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		9.13	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		13.3	0.06	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
<b>Total Xylenes</b>	BTEX 8021B		24.5	0.167	< 0.150	< 0.150	< 0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		47.5	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		<16.0	<16.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M	•	284	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		1310	30	20.3	22.1	17.5	30.9	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 5'	SP2 @ 6'	SP2 @ 7'
Analyte	Method	Date	2/16/16	2/16/16	2/16/16	2/16/16	2/16/16	2/16/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	2.97	0.29	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		16.1	24	2.74	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		40	24.9	3.78	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		75.8	44.6	6.93	< 0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B		132	96.5	13.7	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		1760	2480	2480	624	416	32
GRO	TPH 8015M		960	562	175	<10.0	<10.0	<10.0
DRO	TPH 8015M		3080	3110	1910	127	112	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	2/16/16	2/16/16	2/16/16	2/16/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.808	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		14.1	< 0.050	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		25.2	< 0.050	< 0.050	< 0.050
<b>Total Xylenes</b>	BTEX 8021B		47.8	<0.150	< 0.150	<0.150
Total BTEX	BTEX 8021B		87.9	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		32	<16.0	<16.0	<16.0
GRO	TPH 8015M		1050	<10.0	<10.0	<10.0
DRO	TPH 8015M		4370	57.5	15.1	127



February 25, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MOC SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 02/18/16 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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)

Wite Sough

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,

Mike Snyder For 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: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 1 @ 1' (H600385-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.560	0.100	02/23/2016	ND	2.07	103	2.00	4.41	
Toluene*	9.13	0.100	02/23/2016	ND	2.00	100	2.00	2.96	
Ethylbenzene*	13.3	0.100	02/23/2016	ND	1.83	91.5	2.00	2.46	
Total Xylenes*	24.5	0.300	02/23/2016	ND	5.67	94.5	6.00	2.53	
Total BTEX	47.5	0.600	02/23/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 73.6-14	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	<16.0	16.0	02/22/2016	ND	400	100	400	3.92	
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	284	10.0	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	1310	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	124 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	119 9	% 28-171							

Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/18/2016 Reported:

02/25/2016

Project Name: MOC SWD #1 Project Number: NONE GIVEN Project Location: **NOT GIVEN** 

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 1 @ 2' (H600385-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/23/2016	ND	2.07	103	2.00	4.41	
Toluene*	<0.050	0.050	02/23/2016	ND	2.00	100	2.00	2.96	
Ethylbenzene*	0.060	0.050	02/23/2016	ND	1.83	91.5	2.00	2.46	
Total Xylenes*	0.167	0.150	02/23/2016	ND	5.67	94.5	6.00	2.53	
Total BTEX	<0.300	0.300	02/23/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	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	<16.0	16.0	02/22/2016	ND	400	100	400	3.92	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	30.0	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	103 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	112 9	% 28-171							

Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 1 @ 3' (H600385-03)

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	02/23/2016	ND	2.07	103	2.00	4.41	
Toluene*	<0.050	0.050	02/23/2016	ND	2.00	100	2.00	2.96	
Ethylbenzene*	<0.050	0.050	02/23/2016	ND	1.83	91.5	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/23/2016	ND	5.67	94.5	6.00	2.53	
Total BTEX	<0.300	0.300	02/23/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	% 73.6-14	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	<16.0	16.0	02/22/2016	ND	400	100	400	3.92	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	20.3	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	79.4 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	83.6	% 28-171							

Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 1 @ 5' (H600385-04)

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	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/22/2016	ND	400	100	400	3.92	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	22.1	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	99.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	90.6	28-171							

## Cardinal Laboratories \*=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 1 @ 6' (H600385-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	< 0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 73.6-14	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	<16.0	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	17.5	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	94.0	% 35-147	,						
Surrogate: 1-Chlorooctadecane	81.8	% 28-171							

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

Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 1 @ 8' (H600385-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6 9	73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	30.9	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	105 %	6 35-147	,						
Surrogate: 1-Chlorooctadecane	115 %	6 28-171							

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Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1 Project Number: NONE GIVEN Project Location: **NOT GIVEN** 

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 1 @ 9' (H600385-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7 9	% 73.6-14	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	<16.0	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	<10.0	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	98.69	% 35-147	,						
Surrogate: 1-Chlorooctadecane	107 %	6 28-171							

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Received: 02/18/2016

Reported: 02/25/2016
Project Name: MOC SWD #1
Project Number: NONE GIVEN

**NOT GIVEN** 

147 %

28-171

Sampling Date: 02/16/2016

Sampling Type: Soil

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

## Sample ID: SP 2 @ 1' (H600385-08)

Project Location:

Surrogate: 1-Chlorooctadecane

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	16.1	0.500	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	40.0	0.500	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	75.8	1.50	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	132	3.00	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 73.6-14	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	1760	16.0	02/22/2016	ND	416	104	400	7.41	
TPH 8015M	mg,	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	960	50.0	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	3080	50.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	179	% 35-147	,						

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Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 2 @ 2' (H600385-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.97	0.500	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	24.0	0.500	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	24.9	0.500	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	44.6	1.50	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	96.5	3.00	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 5	% 73.6-14	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	2480	16.0	02/22/2016	ND	416	104	400	7.41	
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	562	50.0	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	3110	50.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	143	% 35-147	,						
Surrogate: 1-Chlorooctadecane	152	% 28-171							

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Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 2 @ 3' (H600385-10)

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*	0.290	0.100	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	2.74	0.100	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	3.78	0.100	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	6.93	0.300	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	13.7	0.600	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	153 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	02/22/2016	ND	416	104	400	7.41	
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	175	10.0	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	1910	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	125 9	% 35-147							

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Mile Single

Surrogate: 1-Chlorooctadecane

148 %

28-171



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Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 2 @ 5' (H600385-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.6-14	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	624	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	127	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	107 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	104 9	% 28-171							

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Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1 Project Number: NONE GIVEN Project Location: **NOT GIVEN** 

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 2 @ 6' (H600385-12)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	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	416	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/20/2016	ND	198	99.0	200	6.32	
DRO >C10-C28	112	10.0	02/20/2016	ND	187	93.6	200	20.6	
Surrogate: 1-Chlorooctane	105 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	97.3	% 28-171							

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Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 2 @ 7' (H600385-13)

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	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	< 0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	< 0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	73.6-14	0						
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	02/22/2016	ND	416	104	400	7.41	
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	02/22/2016	ND	195	97.7	200	4.26	
DRO >C10-C28	<10.0	10.0	02/22/2016	ND	213	107	200	10.4	
Surrogate: 1-Chlorooctane	93.1 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	109 9	% 28-171							

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Received: 02/18/2016 Reported:

02/25/2016

Project Name: MOC SWD #1 Project Number: NONE GIVEN Project Location: **NOT GIVEN** 

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 3 @ 1' (H600385-14)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.808	0.500	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	14.1	0.500	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	25.2	0.500	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	47.8	1.50	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	87.9	3.00	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 73.6-14	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	32.0	16.0	02/22/2016	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1050	50.0	02/22/2016	ND	195	97.7	200	4.26	
DRO >C10-C28	4370	50.0	02/22/2016	ND	213	107	200	10.4	
Surrogate: 1-Chlorooctane	176	% 35-147	,						

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with Sigh

Surrogate: 1-Chlorooctadecane

148 %

28-171



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 3 @ 2' (H600385-15)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/22/2016	ND	195	97.7	200	4.26	
DRO >C10-C28	57.5	10.0	02/22/2016	ND	213	107	200	10.4	
Surrogate: 1-Chlorooctane	105 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	115 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 3 @ 3' (H600385-16)

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	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	<0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	<0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	<0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/22/2016	ND	195	97.7	200	4.26	
DRO >C10-C28	15.1	10.0	02/22/2016	ND	213	107	200	10.4	
Surrogate: 1-Chlorooctane	85.2	% 35-147	,						
Surrogate: 1-Chlorooctadecane	91.1	28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/18/2016

Reported: 02/25/2016

Project Name: MOC SWD #1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 02/16/2016

Sampling Type: Soil

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

#### Sample ID: SP 3 @ 4' (H600385-17)

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	02/24/2016	ND	2.03	102	2.00	1.57	
Toluene*	< 0.050	0.050	02/24/2016	ND	2.00	100	2.00	1.45	
Ethylbenzene*	< 0.050	0.050	02/24/2016	ND	1.83	91.7	2.00	1.74	
Total Xylenes*	< 0.150	0.150	02/24/2016	ND	5.59	93.1	6.00	1.59	
Total BTEX	<0.300	0.300	02/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4 9	73.6-14	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	<16.0	16.0	02/22/2016	ND	416	104	400	7.41	
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	02/22/2016	ND	195	97.7	200	4.26	
DRO >C10-C28	127	10.0	02/22/2016	ND	213	107	200	10.4	
Surrogate: 1-Chlorooctane	88.9 9	35-147							
Surrogate: 1-Chlorooctadecane	87.9 9	6 28-171							

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#### **Notes and Definitions**

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. 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. Analyte NOT DETECTED at or above the reporting limit ND 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  $6^{\circ}\text{C}$ Samples reported on an as received basis (wet) unless otherwise noted on report

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BILL TO	ANALYSIS REQUEST	
Project Manager: Cliff Brunson		P.O. #:		
Address: P.O. Box 805	4	Company:		
City: Hobbs State: NM	Zip: 88241	Attn:		
-397-6388 Fax #:	575-397-0397	Address:		
Project C	A STATE	City:		
ame: Mbc SWD #1		State: Zip:		
Project Location:		#		
Sampler Name: Price Brunson		Fax #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.	AB OR (C)OM NTAINERS UNDWATER TEWATER	ER: /BASE: COOL ER:	PH TEX L	
1 8/10/1	GF W.	OT DATE	TIME COLOR	
1862	6 - 1	/ 2/6/12:11	30	
2000	6	1 21/1/16	X / / / / / / / / / / / / / / / / / / /	
56161	61 1	1 3/3/6 /	28 / / /	
3000	7 19	1 5/16/16	230 / / /	
80.00	7 - 9	1 2/11/16 100	0 1	
79000	61 /	1 3/1/6 11		
8 250	6   /	1 2/1/6 13	0	
9 4202	6   1	1, 2k/6 14	~) \ \ \	
C 20.74 01	611/	1 78/16 2	8	
LASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive renedy for any claim asting whether based in contract or for, shall be limited to the and/out paid by the client for the half-sex All claims, including those for negligence and any other cause whatsoever shall be deemed waived unjess made in writing and received by Cardinal within 30 days after competion of the applicable and/or a client for the policable and the competition of the applicable and the cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use or loss of profits incurred by Client its subsidieries.	my claim arising whether based in contra- deemed waived unless made in writing ar without limitation, business interruptions.	et or tort, shall be limited to the argiount paid by the difference by Cardinal within 30 days after completions of use, or loss of profils incurred by client, its	client for the	4
filiates or successors arising out of or related to the performance of services hereunder by Cellinguished By:  Date:	under by Cardinal, regardless of whether such claim	is based upon any of the above stated reasons or otherwise		
	Neurelyed by:		Phone Result: ☐ Yes ☐ No Add'I Phone #:  Fax Result: ☐ Yes ☐ No Add'I Fax #:	
74.17.ml		REM		

Sample Condition
Cool Intact
Yes Yes
No No

Sampler - UPS - Bus - Other:

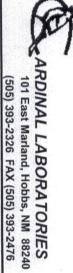
Delivered By: (Circle One)

Time: Date:

Relinquished By:

Page 20 of 21

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.		BIEL 76	A	ANALYSIS REQUEST
Project Manager: Cliff Brunson		P.O. #:		
Address: P.O. Box 805		Company:		
obs	State: NM Zip: 88241	Attn:		
5-397-6388	575-397-0397	Address:		
	Project Owner:	City:		
ame: MOL SWD 1		State: Zip:		
Project Location:		Phone #:		
Sampler Name: PIRE BUSSA		Fax #:		
FOR LAB USE ONLY		PRESERV. SAMPLING		
Lab I.D. Sample I.D.	RAB OR (C)( ONTAINERS DUNDWATE STEWATER L	HER: D/BASE: /COOL HER:	TPH 3TEX CL	
H000385	# 0 GF W. > SO	0 A 10 0 DAIE	30 / /	
76202	, 13	1 216/16 24	> \ \ \	
133,207	6- 1	1 216/16 300	0 / /	
16501	6111	1 216/16 33	0 / / /	
150202	61 1	1 26K 345	< / / /	
1689333	7   9	1 2/6/16 4/2	0	
19304	61 /	1 216/16 47.	/	
			7 m a 1 m a	
9 3 -	remedy for any claim arising whether based in confra ever shall be deemed waived unless made in writing a ges, including without imitation, business interruption, ges, including without imitation of whether including	act or tort, shall be limited to the amount paid by the not received by Cardinal within 30 days after comple, s, loss of use, or loss of profils incurred by client, its is based upon any of the above stated treasons or in is based upon any of the above stated treasons or in its based upon any of the above stated treasons or in its based upon any of the above stated treasons or in the stated upon any of the above stated treasons or the stated upon any of the above stated treasons or the stated upon any stated treasons or the stated upon any of the sta	client for the applicable story of the applicable of the applicabl	
Relinquished By: Date Times	8/16 Redeived By:	The Redelived By:  Phone Res Fax Result: Fax Result: REMARKS:	ult: ☐ Yes ☐ No	Add'l Phone #: Add'l Fax #:
Relinquished By: Date:	Received By:		·	
Delivered By: (Circle One)	200	ition CHECKED BY:		• • • • • • • • • • • • • • • • • • • •
Sampler - UPS - Bus - Other:	-8.02 Tres Pres	é s		

Page 21 of 21

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

# **Kathy Purvis**

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

**Sent:** Thursday, March 17, 2016 8:09 AM

To: Cliff Brunson

**Cc:** Patterson, Heather, EMNRD; Casey Summers; Dusty Wilson; Jennifer\_Duarte@oxy.com;

Ken Swinney; Jennifer Gilkey; Kathy Purvis; Tucker, Shelly

Subject: RE: OXY-MOC SWD Well Battery-Remediation Plan

RE: OXY USA \* MOC SWD 1 \* 30-015-21669 \* **2RP-3556** \* DOR 2/4/2016

Cliff,

Your proposal for remediation of the above referenced release is approved. Please reference the listed **2RP** number for future correspondence. Federal sites require like approval by BLM.

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

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

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

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

Sent: Monday, March 14, 2016 6:55 PM

To: Bratcher, Mike, EMNRD

Cc: Patterson, Heather, EMNRD; Casey Summers; Dusty Wilson; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer

Gilkey; Kathy Purvis

Subject: OXY-MOC SWD Well Battery-Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the Oxy MOC SWD Well Battery release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

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

#### Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397

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\*\*\*\*\*\*\*\*\*\*\*\*

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2015.0.6189 / Virus Database: 4542/11829 - Release Date: 03/17/16

## **Kathy Purvis**

**From:** Arias, Arthur <aaarias@blm.gov> **Sent:** Thursday, March 17, 2016 2:34 PM

**To:** cbrunson@bbcinternational.com; casey\_summers; Dusty Wilson;

Jennifer\_Duarte@oxy.com; kswinney@bbcinternational.com; jgilkey@bbcinternational.com; kathy@bbcinternational.com

**Subject:** O0XY-MOC SWD Well Battery -Remediation Plan

After reviewing the Remediation plan and OCDs approval. The BLM approves the plan for the work to be completed as written. Please let us know when the work has been completed so we can do a follow-up on the clean-up efforts.

#### **Arthur Arias**

aaarias@blm.gov

Environmental Protection Specialist Bureau Of Land Management, Carlsbad Field Office 575-234-6230 Cell 575-499-3378

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Version: 2015.0.6189 / Virus Database: 4542/11830 - Release Date: 03/17/16

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2015.0.6189 / Virus Database: 4542/11829 - Release Date: 03/17/16



