

1RP 3284 1RP 3423

Site Description									
Site Name:	Covington A Federal #18 Battery								
Company:	Oxy Permian Ltd.								
Legal Description:	U/L C, Section 25, T22S, R32E								
County:	Lea County, NM								
GPS Coordinates:	N 32 36781° W 103 63052°								

Release Data										
Dates of Release:	5/9/14, 5/14/14, 8/17/14, and 10/13/14									
Type of Release:	Oil									
Source of Release:	Varies per event, see attached C-141s									
Volume of Release:	Varies per event, see attached C-141s									
Volume Recovered:	Varies per event, see attached C-141s									

Remediation Specifications									
Remediation Parameters:	See attached Site Diagrams with excavation depth details.								
	*Approval for all spill clean ups was granted in April 2015								
Remediation Activities:	Remediation activities were performed in 2015								

Plan Sent to OCD:	01/14/2015	Email from Cliff Brunson to Tomas Oberding
OCD Approval of Plan:	01/14/2015	Email from Tomas Oberding to Cliff Brunson
Plan Sent to BLM:	02/23/2015	Email from Cliff Brunson to Sol Hughes
BLM Approval of Plan:	03/04/2015	Email from Sol Hughes to Cliff Brunson

Supporting Documentation								
Initial C-141	Signed 5/19/14, 5/19/14, 8/21/14, and 11/3/14							
Final C-141s	Signed 03/30/2016							
Site Diagram	August 2014 and November 2014							
Groundwater Plot	450'							
TOPO Maps	August 2014							
Lab Summary	09/05/2014-09/08/2014 and 02/20/2015-02/26/2015							
Lab Analysis	09/05/2014-09/08/2014 and 02/20/2015-02/26/2015							
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. 03/30/2016

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District III
1301 W. Grand Avenue, 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

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

Revised October 10, 2003

Form C-141

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

	OPERATOR		ial Report						
Name of Company Oxy Permian Ltd.	Contact CJ Summers								
Address 1017 W. Stanolind Rd, Hobbs, NM	Telephone No. (575) 397-8216								
Facility Name Covington A Federal #18 Battery	Facility Type Battery								
Surface Owner BLM Mineral Owner	r	API No	o. 30-025-32037 (nearest well)						
LOCATIO	ON OF RELEASE								
Unit Letter Section Township Range Feet from the Nor	th/South Line Feet from the	East/West Line	County						
C 25 22S 32E			Lea						
Latitude	Longitude	•							
	E OF RELEASE								
Type of Release Oil	Volume of Release 50 bbls		Recovered 45 bbls						
Source of Release Man Way Cover is leaking	Date and Hour of Occurrence 05/09/2014	Date and	Hour of Discovery						
Was Immediate Notice Given?	If YES, To Whom?								
☐ Yes ☐ No ☐ Not Require	d Geoffrey Leking, NMOCD; J	Jennifer Van Cure	en, BLM						
By Whom? Kathy Purvis, BBC International	Date and Hour 05/09/2014	@ 4:32 pm							
Was a Watercourse Reached?	If YES, Volume Impacting the	e Watercourse.							
☐ Yes ☒ No									
If a Watercourse was Impacted, Describe Fully.*									
Describe Cause of Problem and Remedial Action Taken.*									
A leak at the man way cover caused 50 bbls of oil to leak onto the ground	d. A vooruus toud on 1451	.1.1	64 1 1						
A leak at the man way cover caused 50 bbls of oil to leak onto the groun	d. A vacuum truck recovered 45 t	obis of oil and the	cause of the leak was repaired.						
Describe Area Affected and Cleanup Action Taken.*									
The affected area is approximately 20' x 15' on location. Remediation v	vill be completed in accordance a r	remediation plan	approved by NMOCD and the						
BLM.	•								
I hereby certify that the information given above is true and complete to	the best of my knowledge and und	lerstand that pursi	uant to NMOCD rules and						
regulations all operators are required to report and/or file certain release	notifications and perform corrective	e actions for rele	ases which may endanger						
public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate	ne NMOCD marked as "Final Repote sontemination that page a threat	ort" does not relie	eve the operator of liability						
or the environment. In addition, NMOCD acceptance of a C-141 report	does not relieve the operator of res	no ground water,	mpliance water, numan nearth						
federal, state, or local laws and/or regulations.									
	OIL CONSE	ERVATION 1	DIVISION						
Signature:									
Printed Name: Chancey Summers	Approved by District Supervisor:								
Title: HES Specialist	Approval Date:	Expiration D	Pate:						
E-mail Address: Chancey.Summers@oxy.com	Conditions of Approval:		Attached D						
Date: 5-19-14 Phone: (575) 397-8216			Attached						
Attach Additional Sheets If Necessary									

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003 abmit 2 Copies to appropriate

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Release Notification and Corrective Action

1						OPERA'			al Report		Final Repor		
Name of Co		Oxy Permia				Contact (CJ Summers			•		•	
		tanolind Rd,				Telephone l	No. (575) 397	7-8216					
Facility Na:	me Covi	ngton A Fed	eral #18	Battery		Facility Type Battery							
Surface Ow	mer BLM			Mineral (Owner				API No	0. 30-025-32	2037	(nearest well)	
				LOCA	TIO	N OF REI	FACE						
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	Fact/W	Vest Line	County			
		•			lvorti	b South Eme	1 cet nom me	Lasu	V CSt Line	County			
C	25	22S	32E			-				Lea			
				Latitude		Longit	ude	_					
				NAT	URE	OF RELI	EASE						
Type of Rele						Volume of	Release 80 bb	ls	Volume F	Recovered 7	0 bbls	i .	
		e failure cause	ed tank to	spill over		Date and H 05/14/2014	our of Occurrence	е	Date and	Hour of Disc	overy		
Was Immedia	te Notice C		1	(2 <u>—</u> 1)		If YES, To	Whom?				-		
		\bowtie	Yes _	No Not Re	equired	Geoffrey L	eking, NMOCD;	Jennifer	r Van Cure	en, BLM			
By Whom?			mational			Date and H							
Was a Watero	course Reac		Yes 🏻	No		If YES, Vo	lume Impacting th	he Water	rcourse.				
If a Watercou	rse was Imp	pacted, Descri	be Fully.*										
	1	,											
Describe Caus	se of Proble	m and Remed	ial Action	Taken.*				-					
A faulty valve valve was rep	to the equa	llizing line cau laced.	ised a tanl	c to spill over and	l leak 80	0 bbls of oil or	nto the ground. A	. vacuum	truck reco	overed 70 bb	ls of c	il and the	
Describe Area	Affected a	nd Cleanup A	ction Take	en.*									
The affected a NMOCD and	rea is appro the BLM.	eximately 25'	x 50' insid	le the berm on loc	cation.	Remediation v	will be completed	in accor	dance a re	mediation pl	an app	proved by	
regulations all public health of should their of	operators a or the environerations ha ment. In ad	re required to onment. The a ve failed to ad dition, NMOC	report and ecceptance lequately in CD accepta	l/or file certain re of a C-141 repor nvestigate and re	lease no t by the mediate	otifications and NMOCD man contamination	nowledge and und perform correction from the perform correction from the performance of the operator of respective such that the operator of respective from the operator of t	ive action port" doc at to grou	ns for releases not relies und water.	ases which neve the opera	nay en tor of er. hun	danger liability nan health	
							OIL CONS	ERVA	TION I	DIVISIO	1		
Signature:		\sim											
Printed Name:	Chancey	Summers			- A	Approved by District Supervisor:							
Title: HES S	Specialist				A	Approval Date: Expi			piration D	ration Date:			
E mail 4 JJ		C											
E-mail Addres	4	ey.Summers@	oxy.com		$ \frac{1}{2}$	Conditions of Approval:				Attached			
Date: 5	-19-1	2		e: (575) 397-8216	5								
Attach Additi	onal Sheets	s If Necessar	v										

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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

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

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Form C-141

Final Report

side of form

Initial Report

Release Notification and Corrective Action

OPERATOR

Name of Co						Contact CJ Summers					
		tanolind Rd,				Telephone No. (575) 397-8216					
Facility Na	ne Covii	igton A Fed	eral #18 I	Battery		Facility Type Battery					
Surface Ow	ner BLM			Mineral O	wner			API No	o. 30-025-32037 (nearest well)		
				LOCA	TIO	N OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County		
C	25	22S	32E						Lea		
			I	atitude N 32.36	<u>5775°</u>	Longitu	de <u>W 103.6308</u> 0	0°			
NATURE OF RELEASE											
Type of Rele		1 '				Volume of			Recovered 70 bbls		
Source of Re	lease Spill	during transf	er to stock	tank		Date and H 08/17/2014	our of Occurrence	e Date and	Hour of Discovery		
Was Immedia	ite Notice C					If YES, To					
		×	Yes	No Not Rec	quired	Tomas Obe	rding, NMOCD;	Sol Hughes, BLM	1		
By Whom?		vis, BBC Inte	rnational			Date and H		@ 4:01 pm			
Was a Watero	course Reac	hed?	Yes 🏻	No		If YES, Vo	lume Impacting th	ne Watercourse.			
If a Watercou	rse was Imp	acted, Descri	be Fully.*								
	_		•								
	00.11										
Describe Cau	se of Proble	m and Remed	lial Action	Taken.*							
During a trans	sfer to the st	tock tank, Ox	y spilled 8	0 bbls of oil onto t	he grou	ınd. A vacuu	m truck recovered	approximately 70	bbls,		
Describe Area	Affected a	nd Cleanup A	ction Tak	en,*	<u></u>						
The affected a	rea is appro	oximately 25'	x 50' insi	de the berm on loc	ation. I	Remediation	will be completed	in accordance a re	emediation plan approved by		
NMOCD and	the BLM.										
I hereby certif	y that the ir	nformation giv	ven above	is true and comple	ete to the	e best of my l	cnowledge and un	derstand that purs	uant to NMOCD rules and		
regulations all	operators a	re required to	report an	d/or file certain rel	lease no	tifications an	d perform correct	ive actions for rele	eases which may endanger		
should their o	perations ha	niment. The ive failed to a	acceptance dequately	or a C-141 repor	t by the nediate	NMOCD ma	rked as "Final Rej on that nose a thres	port" does not reli-	eve the operator of liability , surface water, human health		
or the environ	ment. In ad	ldition: NMO	CD accent	ance of a C-141 re	port do	es not relieve	the operator of re	esponsibility for co	ompliance with any other		
federal, state,	or local law	s and/or regu	lations.	$\overline{}$							
)			OIL CONS	ERVATION	<u>DIVISION</u>		
Signature:	-										
Printed Name	Chancey	Summers			A	approved by I	District Supervisor	r:			
Title: HES	Advisor				A	pproval Date	:	Expiration I	Date:		
E-mail Address: Chancey.Summers@oxy.com						Conditions of Approval:					
Date:		1-14	•	ie: (575) 397-8216			TE		Attached		
Attach Additi				io. (575) 597-6210	, <u> </u>						

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410
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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

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Final Report

Initial Report

Release Notification and Corrective Action

OPERATOR

	Name of Company Oxy Permian Ltd.						Contact CJ Summers					
		tanolind Rd,				Telephone No. (575) 397-8216						
Facility Nar	ne Covii	ngton A Fed	eral #18 1	Battery		Facility Type Battery						
Surface Ow:	ner BLM			Mineral O	wner	er API No. 30-025-32037 (nearest well)						
**	G .t	mes 11	I			N OF REI						
Unit Letter	Section	Township	Range	Feet from the	North.	/South Line	Feet from the	East/West Line	County			
C	25	22S	32E						Lea			
				Latitude N 32.3	36781°	Longit	ude <u>103.63052</u> °	<u>-</u>				
				NAT	URE	OF RELI	EASE					
Type of Relea	ise Oil					Volume of		bls Volume F	Recovered 100 bbls			
			causing a t	ank to spill over		Date and H 10/13/2014	our of Occurrence	e Date and	Hour of Discovery			
Was Immedia	te Notice C	_				If YES, To						
		\boxtimes	Yes	No 🔲 Not Re	quired	Tomas Obe	erding, NMOCD;	Sol Hughes, BLM	[
By Whom?	Kathy Pur	vis, BBC Inte	rnational		,	Date and H	our 10/14/2014	1 @ 4:06 pm				
Was a Watero	ourse Reac	_					lume Impacting th					
			Yes 🛚	No								
If a Watercou	rse was Im	oacted, Descri	be Fully.*	•								
Describe Caus	se of Proble	nn and Remed	lial Actior	Taken.*								
A pump was 1	eft on resul	ting in the tan	k spilling	200 bbls of oil on	to the g	round. A vac	uum truck recove	red 100 bbls of oil	and the pump was turned off			
and reset.		U			8	,		100 0010 01 01	and me pump was turned on			
Describe Area	Affootad a	nd Classian A	otion Tol-	*								
Describe Area	i Affecteu a	ina Creanup A	ction tak	en."								
The affected a	rea is appro	oximately 100	' x 100' o	n location. Remed	diation	will be compl	eted in accordance	e a remediation pla	an approved by NMOCD and			
the BLM.												
Lhereby certif	v that the in	iformation give	zen ahove	is true and comple	ete to th	e best of my	knowledge and un	derstand that nurs	uant to NMOCD rules and			
regulations all	operators a	are required to	report an	d/or file certain rel	lease no	otifications an	d perform correct	ive actions for rele	eases which may endanger			
public health of	or the envir	onment. The	acceptance	e of a C-141 repor	t by the	NMOCD ma	irked as "Final Re	port" does not reli	eve the operator of liability			
should their of	perations ha	ive failed to a	dequately	investigate and re	mediate	contaminatio	on that pose a thre	at to ground water	, surface water, human health ompliance with any other			
federal, state,	or local law	s and or regul	lations.	ance of a C-141 fe	sport de	jes noi reneve	the operator of re	esponsibility for co	ompliance with any other			
							OIL CONS	ERVATION	DIVISION			
Ci ana a kuma mamana	f		***************************************									
Signature.												
Printed Name:	Chance	y Summers				Approved by I	District Superviso	r;				
Title: HES	Advisor				1	Approval Date):	Expiration I	Date:			
E-mail Addres	s: Çhanç	ey.Summers@	доху.сот			Conditions of	Approval:					
Date: //	13/14		-F	ne: (575) 397-8216			**		Attached			
Attach Additi		ts If Necessa		(= , = , =) = 0 2210					<u> </u>			

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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011
abmit 1 Copy to appropriate District Office in

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

			, The 1	<u> </u>		e, NM 875			· · · · · · · · · · · · · · · · · · ·			
			Kel	ease Notific	catio			ction				
Marna of Co	M390001	Ovar Danmin				OPERA'	The state of the s		ial Report	\boxtimes	Final Repor	
Name of Co		Oxy Permia ive, Midland		705		Contact C	Casey Summers No. (575) 513		······································	M/r. elle rros	Annual Company of the Worldon	
Facility Nar		ngton A Fed				Facility Typ)-0407			o.	
Surface Ow		or the second second second		Mineral C				1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 20.035	*****	**************************************	
Durine OW.	nci Bili	1	····			W44	Pi Tim Trindaurus markaras (di oa mark	API N	o. 30-025-	32037	······	
Unit Letter	Section	Township	D			N OF RE				*****************	· · · · · · · · · · · · · · · · · · ·	
Omi Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/West Line	County			
<u> </u>	25	225	32E			***************************************	······································		Lea Count	y, NM		
			J	Latitude <u>N 32.3</u>	6781°	Longitu	de <u>W 103.6305</u>	<u>2</u> °				
	NATURE OF RELEASE											
Type of Relea	ise Oil			A STATE OF THE STA		~ ^**	Release 50 bbls	Volume	Recovered	45 bbl:		
Source of Rel	ease Mar	Way cover v	vas leakin	2	**************************************	Date and H	lour of Occurrenc	e Date and	Hour of Dis	covery		
Was Immedia	te Notice G	iven?	***************************************	***************************************	-/ho//M/\-\(\delta\rangle\rang	If YES, To		<u>l</u>		***************************************	·····	
		Ø	Yes [No 🔲 Not Re	quired			lennifer Van Cure	n-BLM			
By Whom?			ernationa		***************************************	Date and Hour 05/09/2014 @ 4:32 pm						
Was a Waterc	ourse Keac		Yes 🗵	No		If YES, Vo	lume Impacting t	he Watercourse.				
If a Watercour	rse was Imr	acted. Descri	be Fully.*		······································		Market Ma			***************************************	·	
	,		-									
	79.W. 77.W. W. 77.											
Describe Caus	e of Proble	m and Remed	lial Action	Taken.*								
A leak at the r	nan way co	ver caused 50	bbls of o	il to leak onto the	ground	. A vacuum ti	uck recovered 45	bbls of oil and th	e man way c	over wa	is repaired.	
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*	T. T. Theid in the Theodorne			·		· Company		
		_										
The affected a	rea is appro MOCD via	ximately 20':	x 15' on 1	ocation. Remedia nd approved by So	ation wa	as completed i	n accordance with	the remediation	plan approve	d by To	mas	
I hereby certif	y that the in	formation giv	en above	is true and compl	ete to tl	he best of my l	knowledge and ur	iderstand that purs	uant to NMC	CD ru	les and	
regulations all	operators a or the envir	re required to nament. The :	report an	d/or file certain re	lease n	otifications an	d perform correct	ive actions for rel port" does not rel	eases which i	nay en	danger	
should their or	erations ha	ve failed to ac	deceptatie decuately	investigate and re	n oy ak mediat	e contaminatic	nkeuus riitti ke m that mase a thre	at to ground water	eve ine open Frankoe wat	iioror. ee han	liability	
or the environ	ment., in ad	lition, NMO(CD accept	ance of a C-141 n	eport d	oes not relieve	the operator of re	esponsibility for c	ompliance w	th any	other	
Teneral Dialo,	7 7	s attents regul	4110113,			(4)	OIL CONS	ERVATION	DIVISIO	NI		
Cimantum		Name of Street, or other Designation of the Owner, where	P999804-0				<u>Ond Corre</u>	CIR VISITOIN	DITION	<u>. 1</u>		
Signature:	7 77-1		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~									
Printed Name:	V _{Casey} 6	immers	Minter Commission and			Approved by E	Environmental Sp	ecialist:				
Title: NM E	invironment	al Advisor		**************************************		Approval Date		Expiration	Date:	Mary		
E-mail Addres	s: <u>Casey</u>	Summers@o	xy.com		(Conditions of	Approval:		Attached	П		
Date: 3-	-30 -	16	Phone:	(575) 513-828	39				rmacinati	L.		

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S First St., Artesia, NM 88210
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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.

			Kel	ease Notin	catioi	n and Co	orrective A	ction				
						OPERA'	TOR		Initi	al Report	\boxtimes	Final Repor
Name of Co		Oxy Permia				Contact Casey Summers						
		ive, Midland				Telephone l		-8289	<i></i>			
Facility Na	ne Covi	ington A Fec	eral #18	Battery		Facility Typ	e Battery			. 		
Surface Ow	ner BLN	1		Mineral C)wner				API No	. 30-025-	32037	
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the	East/Wes	st Line	County		### × 1 7 7 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<u> </u>	25	22S	32E							Lea Coun	ty, NM	
				Latitude <u>N 32.3</u>	6781°	Longitu	de <u>W 103.6305</u> 2) ³				
				NAT	URE	OF RELI	EASE					
Type of Rele	ase Oil	***************************************	***************************************		·	Volume of	Release 80 bbls	V	olume I	Recovered	70 bbls	**************************************
Source of Re	ease Val	ve failure cau	sed tank t	o spill over	·····	Date and H 05/14/2014	lour of Occurrence	e D	ate and	Hour of Dis	covery	
Was Immedia	Was Immediate Notice Given?						Whom? eking-NMOCD; J	lennifer Va	ın Curer	ı-BLM		
By Whom?	Kathy Purv	is @ BBC In	ernationa	I	/		our 05/15/2014					wee-wienebver-east-
Was a Water	Was a Watercourse Reached? ☐ Yes ☒ No						If YES, Volume Impacting the Watercourse.					
Describe Cau A faulty valve valve was rep Describe Area	on the equaired.	alizing line ca	used a ta	nk to spill over an	d leak 8	0 bbls of oil c	ento location. A v	acuum tru	ck recov	ered 70 bbl:	s of oil	and the
The affected a by Tomas Ob	rea is appro erding of N	oximately 25' MOCD via er	x 50' on l nail on 01	location inside the /14/2015 and appr	berm. roved by	Remediation / Sol Hughes	was completed in of the BLM via ea	accordanc mail on 03	e with th /04/2015	se remediati 5.	on plan	approved
regulations all public health should their o	operators a or the envir perations ha ment. In ac	are required to onment. The ave failed to a Idition, NMO	report an acceptanc dequately CD accep	d/or file certain re e of a C-141 repo- investigate and re	elease no n by the emediate	otifications and NMOCD made contamination	knowledge and ur id perform correct irked as "Final Re on that pose a thre e the operator of re	ive actions port" does at to groun	for rele not relied water	ases which eve the oper surface wa	may en ator of ter, hur	danger liability nan health
	//	/	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				OIL CONS	ERVA	CION	DIVISIO	N	top and the stopp in the section of
Signature:		4	***************************************									
Printed Name	V Casey S	ummers			/	Approved by Environmental Specialist:						
Title: NM E	invironmen	tal Advisor		TERRET BETTE SERVICE AND		Approval Date	7 f	Ехр	iration I	Date:		
E-mail Addres	s: Casey	_Summers@c	xy.com	**************************************		Conditions of Approval:						
Date: Attach Additi	<u>) 〜 5</u> C onal Shee	ノー/(ク ts If Necessa	Phone:	(575) 513-828	89			nginingin an alliliyaan, aanadya Yeng, ya				

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 87503

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

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

			Rele	ease Notific	cation	and Co	orrective A	ction	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
ş				· · · · · · · · · · · · · · · · · · ·		OPERA'			Initial Rep	ort 🛭	Final Repor	
Name of C		Oxy Permia ive, Midlano		inc			Casey Summers	5000	· · · · · · · · · · · · · · · · · · ·	***************************************		
Facility Na		ngton A Fed				Telephone No. (575) 513-8289 Facility Type Battery						
Surface Ow				Mineral C	***	7 - 7 E			DINT- 20	32 300		
Surface Ow	ner DLIV	1	WWW.comboling		······································	******		[A	PI No. 30-	025-3203	57	
Unit Letter	T Castina	Transaction.	D	WWW.		OF REI	***************************************			·····	·	
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West	Line Coun	ty		
С	25	22S	32E	A Phairman ann an ann ann ann ann ann ann ann a		Lea County, NM						
			1	Latitude <u>N 32.3</u>	6781°	Longitu	de <u>W 103.6305</u> ;	2ª				
				NAT	URE	OF RELI	EASE					
Type of Rele	ase Oil		**************************************			Manufacture Commence	Release 80 bbls	Vol	ume Recover	ed 70 b	bls	
Source of Re	Source of Release Spill during transfer to stock tank						our of Occurrenc	e Dat	e and Hour o	f Discove	гу	
Was Immedi	Was Immediate Notice Given?						Whom? rding-NMOCD;	Sof Hughes-I	BLM	**************************************		
		is @ BBC Int	ernational				our 08/18/2014		<u> </u>	TTT TO THE TOTAL OF THE TOTAL O		
Was a Water	ourse Reac		Yes 🗵	Na		If YES, Volume Impacting the Watercourse.						
15 . 11/occasion		ت pacted, Descri			nexts construction		// Faretour-or-ada/aacessys-t-to	anne de la grande de la companya de	TO THE POST OF THE	///**/////////////////////////////////	·	
Describe Cau	na of Deskila	icestari oriimonidacussiinosussessass	n Bankilla von für en schaft ()	Marine A Addition of the Control of	·	ann a Calabora (a ann an A	moto rincolaren pro-des designación de se considerante con executado de la considerante con executado de la co	KAN is .				
				i Taken.* Obbls of oil on lo	cation.	A vacuum tru	ick recovered app	roximately 7	0 bbls.			
Describe Are	Affected a	nd Cleanup A	ction Tak	211.*		**************************************		NOTE OF THE PROPERTY OF THE PR	······································	· · · · · · · · · · · · · · · · · · ·		
The affected by Tomas Ob	area is appro erding of N	oximately 25' MOCD via en	x 50' on l nail on 01/	ocation inside the 14/2015 and appr	berm. I	Remediation Sol Hughes	was completed in of the BLM via e	accordance v mail on 03/04	with the reme 4/2015.	diation pl	an approved	
regulations al public health should their o	operators (or the environations had ment. In ac	ire required to onment. The i ive failed to a idilion, NMO	report and acceptance dequately CD accept	is true and compl d/or file certain re c of a C-141 repo investigate and re ance of a C-141 r	elease no rt by the emediate	tifications an NMOCD ma contamination	d perform correct rked as "Final Re in that pose a thre	ive actions for port" does not at to ground	or releases who of relieve the water, surface	nich may e operator o water, h	endanger of liability uman health	
Signature:	And						OIL CONS	ERVATI	ON DIVI	<u>SION</u>		
Printed Name	Casey S	uromers			Ą	Approved by Environmental Specialist:						
Title: NM I	invironmen	tal Advisor	774.50.1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Alestan and the state of the st	A	pproval Date	C C C C C C C C C C C C C C C C C C C	Expira	tion Date:			
E-mail Addres Date: 3- Attach Addit	30-	Summers@c	Phone:	(575) 513-828		Conditions of Approval: Attached						

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
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State of New Mexico Energy Minerals and Natural Resources

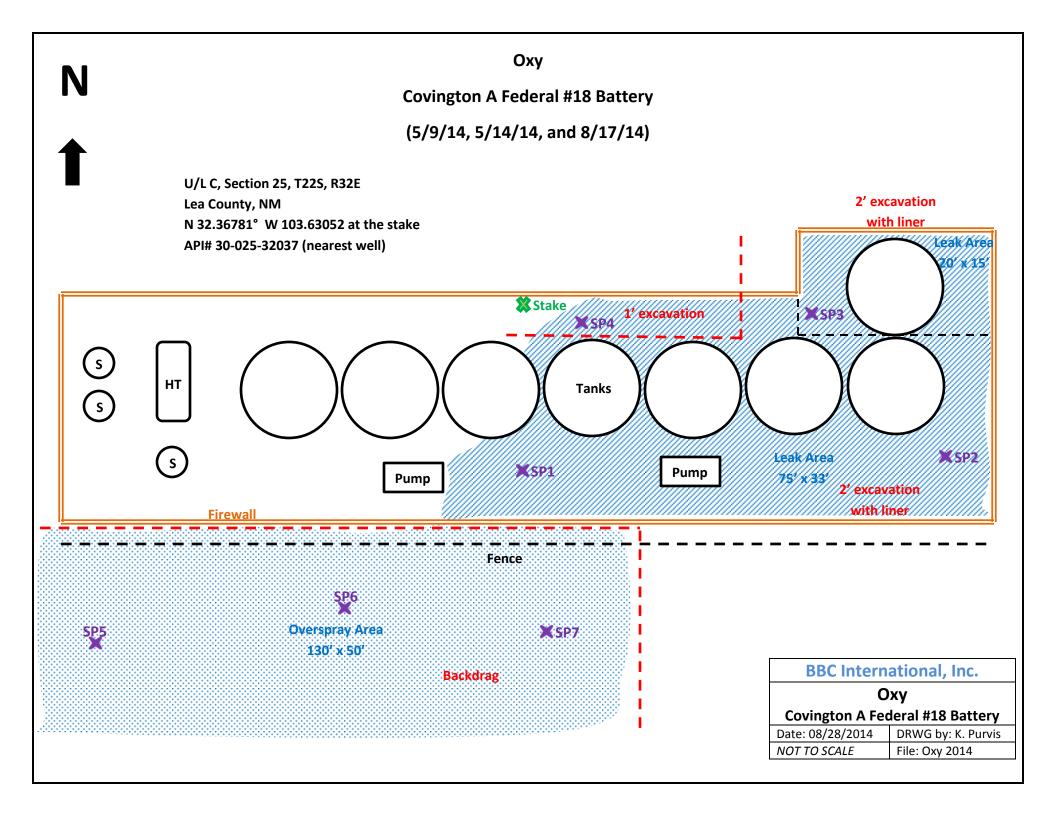
Form C-141 Revised August 8, 2011

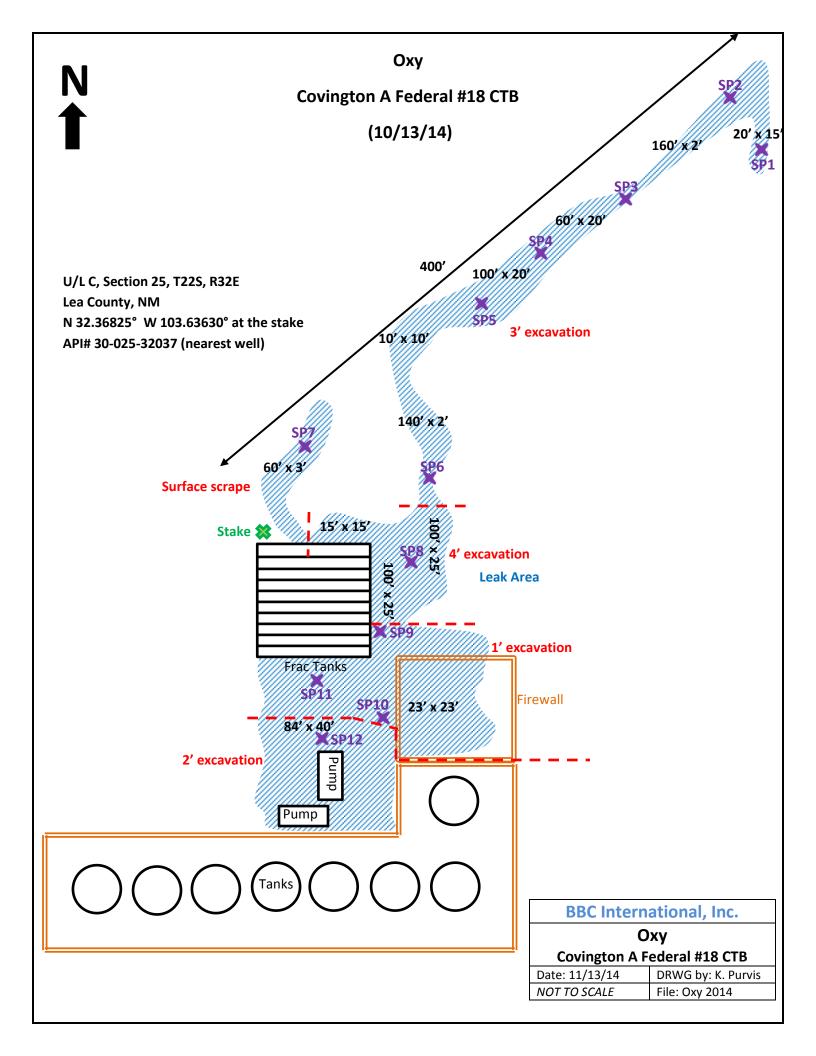
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

						•e, NM 8/3					
			Rel	ease Notific	catio	n and Co	orrective A	ction			
						OPERA'	ΓOR	□ Init	ial Report	X	Final Repor
Name of Co		Oxy Permia					Casey Summers				
		ive, Midlan				Telephone I	and the same of th	3-8289			
Facility Na	me Covi	ngton A Fed	ieral #18	Battery		Facility Typ	e Battery			·-···················	AND THE PROPERTY OF THE PROPER
Surface Ow	ner BLM	1		Mineral C)wner			API N	o. 30-025-	32037	t
				LOCA	\TTO	N OF RE	FACE				
Unit Letter	Section	Township	Range	Feet from the		√South Line	Feet from the	East/West Line	County	**************************************	
С	25	43 5	227						1		
	4.3	225	32E		L	>~~		<u> </u>	Lea Count	y, NM	
			1	Latitude <u>N 32,3</u>	6781°	Longitu	de <u>W 103.6305</u>	<u>2°</u>			
in the little way of the later	***************************************	on beautiful de la constant de la co		NAT	URE	OF RELI	EASE				
Type of Rele	ase Oil					Volume of	Release 200 bb	is Volume	Recovered	100 bt	ds
Source of Re	lease Pun	nn was left on	causine t	he tank to spill ov		Date and U	our of Occurrence	n Data and	Hour of Dis	00110211	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
				The state of the s	*	10/13/2014		L'aic mid	13001 (4 176)	COVERY	
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Require.				lwad	If YES, To		C-112		************		
Ry Whom?	Katha Dae					<u> </u>		Sol Hughes-BLM	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		***************************************
By Whom? Kathy Purvis @ BBC International Was a Watercourse Reached?				-	If VES Vo	our 10/14/2014 Iume Impacting t	@ 4:05 pm	·	***********	**************************************	
			Yes 🛭	No		11 120, 70	ione impacting t	ne mucicourse.			
If a Watercou	rse was Imr	acted. Descri	be Fully.*	£		***************************************	and the second state of the second		***************************************	to Considerate and Anna	***************************************
	•		•								
Describe Cau	se of Proble	m and Remed	ial Action	Taken.*	***************************************	4-460	ii oo Maliika in kaada oo ahkad ki saa oo ahka may shii	and the second s	, , , , , , , , , , , , , , , , , , , 		**************************************
A pumo was	left on resul	iting in the to	nk snillina	200 bhts of oil or	no loca	ntion Avacus	m terek esperare	d 100 bbls of oil a	ad the assum	Arican Pal	mad off and
reset.		25	op. ceptering	200 0010 01 011 01	NO IOU	mon / vacue	m mack iccorcic	2 100 001 (it i	na me bumb	MN7 (#	med on and
Describe Area	Affected a	nd Classus A	ation Tok	**************************************			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	**************************************			
		•									
The affected a	rea is appro	ximately 100	' x 100' o	n location. Reme	diation	was complete	d in accordance w	vith the remediation	n plan appro	ved by	Tomas
Operaing of P	MUCD and	i approved by	Sol Hugh	es of the BLM vi	a email	on 04/28/201	5.				
I hereby certif	y that the in	formation giv	en above	is true and comple	ete to ti	he best of my l	nowledge and ur	nderstand that purs	uant to NMC	CD n	les and
regulations ali	l operators a	re required to	report an	d/or file certain re	lease n	otifications an	d perform correct	ive actions for rela	eases which a	nav en	danger [
should their or	Of the enviro	onment. The s	acceptance	of a C-141 repor	t by the	e NMOCD ma	rked as "Final Re	eport" does not reli at to ground water	eve the open	iter of	liability
or the environ	ment. In id	dition. NMO	dequatery CD accept	ance of a C-141 m	mediai enort d	e contaminante pes not relieve	n mar pose a mre the operator of r	at to ground water esponsibility for c	', surface wat ampliance wi	er, hur ib anv	nan health
federal, state.	or local lyw	s and/or regul	ations.			Name and the same	me opstato: c	osponsionity for C	omphance w	en may	Other
	$-\parallel\parallel$.						OIL CONS	ERVATION	DIVISIO	N	
Signature:	/m	/									
D.J 1 % f	\mathcal{J}			***************************************		Approved by E	invironmental Sp	ecialist:			
Printed Name:	: Casey St	ummers		***************************************						.,,,	
Title: NM E	Environment	al Advisor				Approval Date		Expiration 1	Date:		
E-mail Addres	е Свем	Summers@c	vv com			Candillana et	Americal				
	~ <u></u>	Johnners (Free Co.)	A1.C.1111		'	Conditions of	approvai:		Attached		

Phone: (575) 513-8289

* Attach Additional Sheets If Necessary







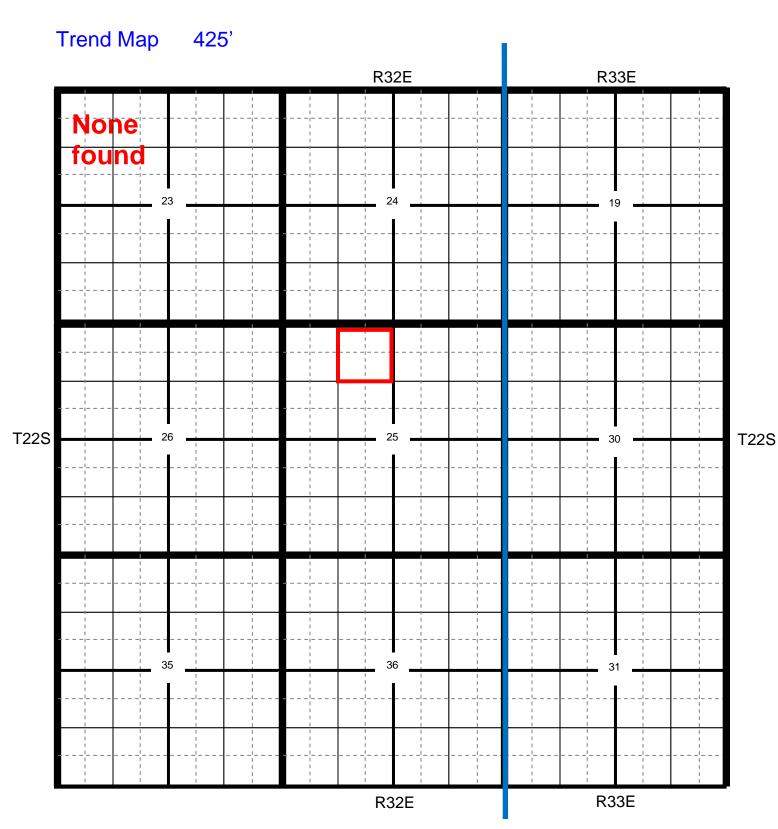
Location

OCD

Groundwater Plot

Oxy Covington A Federal #18 CTB

CountyUnit LetterSectionTownshipRangeLeaC2522S32E



USGS

SEO

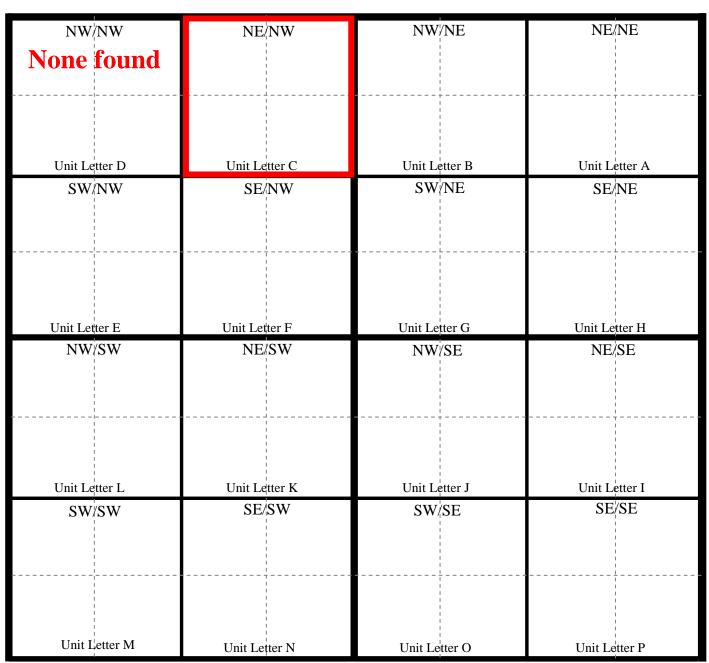
All Databases

Oxy Covington A Federal #18 Battery

CountyUnit LetterSectionTownshipRangeLeaC2522S32E

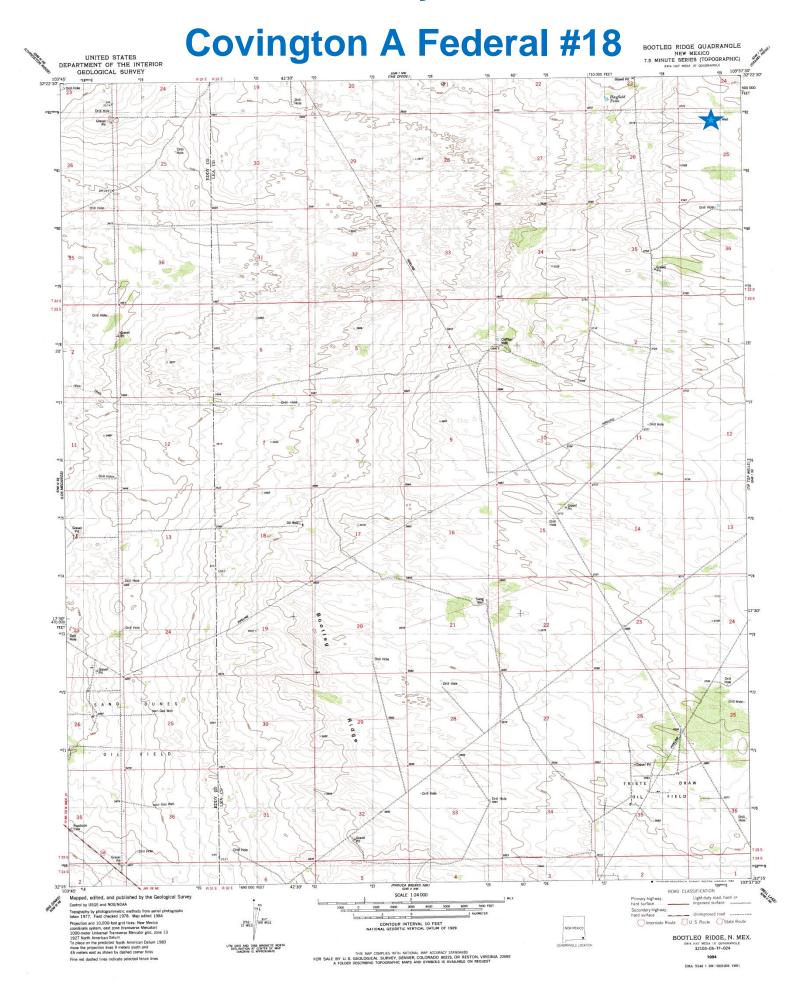
Trend Map 425'

1



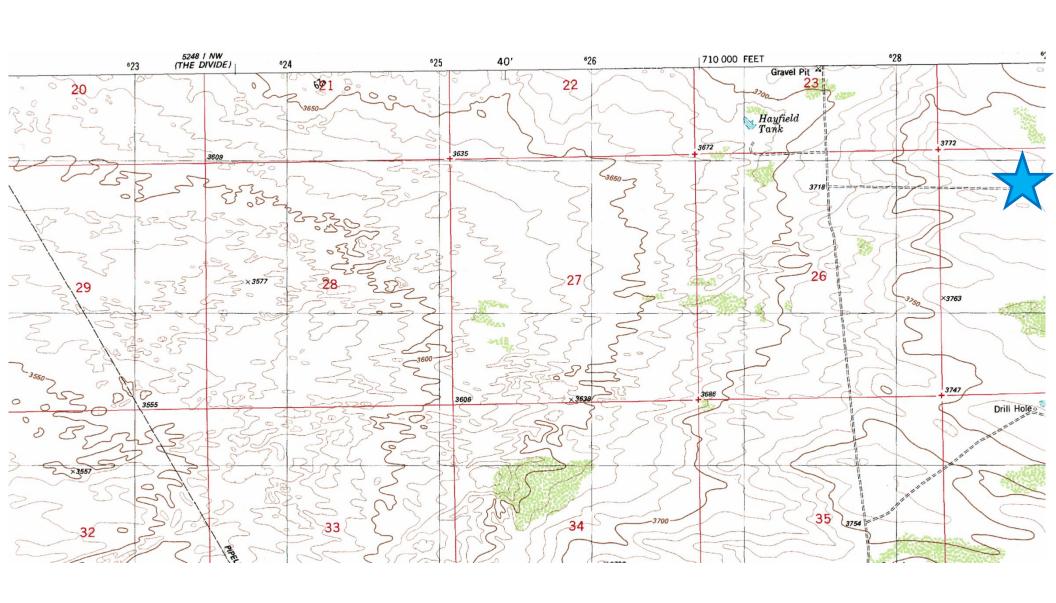
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Oxy



Oxy

Covington A Federal #18



Laboratory Analytical Results Summary Covington A Federal #18 Battery

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'	SP1 @ 9'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<1.00	< 0.050	<2.00	<0.200
Toluene	BTEX 8021B		5.15	1.08	< 0.050	<2.00	0.564
Ethylbenzene	BTEX 8021B		7.37	1.7	< 0.050	3.25	0.777
Total Xylenes	BTEX 8021B		43.3	17.5	1.16	23.6	5.17
Total BTEX	BTEX 8021B		55.9	20.2	1.16	26.9	6.51
GRO	TPH 8015M		2280	1440	79.3	2000	301
DRO	TPH 8015M		11300	9880	1340	12300	2160

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 5'	SP2 @ 7'	SP2 @ 9'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<2.00	<2.00	<2.00	<1.00
Toluene	BTEX 8021B		23.1	5.89	10.4	27.6	2.38
Ethylbenzene	BTEX 8021B		15.9	7.62	10.5	18.5	4.12
Total Xylenes	BTEX 8021B		84.8	47.2	57.1	83.9	20.8
Total BTEX	BTEX 8021B		124	60.7	77.9	130	27.3
GRO	TPH 8015M		6420	2830	2980	3640	1420
DRO	TPH 8015M		23500	18200	13900	10100	4070

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 5'
Analyte	Method	Date	9/5/14	9/5/14	9/5/14
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	•	<2.00	< 0.500	< 0.050
Toluene	BTEX 8021B		4.52	< 0.500	< 0.050
Ethylbenzene	BTEX 8021B		4.85	< 0.500	< 0.050
Total Xylenes	BTEX 8021B		33.2	3.12	0.22
Total BTEX	BTEX 8021B		42.5	3.12	< 0.300
GRO	TPH 8015M		2130	405	<10.0
DRO	TPH 8015M		11500	4690	96.1

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	9/5/14	9/5/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.100	<0.100
Toluene	BTEX 8021B		0.526	0.265
Ethylbenzene	BTEX 8021B		0.838	0.305
Total Xylenes	BTEX 8021B		3.49	1.55
Total BTEX	BTEX 8021B		4.85	2.12
GRO	TPH 8015M		149	119
DRO	TPH 8015M		687	772

		Sample	SP5 @ SURFACE	SP5 @ 1'
Analyte	Method	Date	9/8/14	9/8/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B	i	< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		0.178	0.192
Total BTEX	BTEX 8021B		< 0.300	< 0.300
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		144	56.3

		Sample	SP6 @ SURFACE	SP6 @ 1'
Analyte	Method	Date	9/8/14	9/8/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B	1	< 0.050	< 0.050
Toluene	BTEX 8021B	BTEX 8021B		< 0.050
Ethylbenzene	BTEX 8021B	1	< 0.050	< 0.050
Total Xylenes	BTEX 8021B	1	<0.150	< 0.150
Total BTEX	BTEX 8021B	1	< 0.300	< 0.300
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP7 @ SURFACE	SP7 @ 1'
Analyte	Method	Date	9/8/14	9/8/14
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

Laboratory Analytical Results Summary Covington A Federl #18 Battery

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	2/20/15	2/20/15	2/20/15	2/20/15	2/20/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<1.00	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		7.42	4.14	0.326	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		9.9	6.32	0.845	<0.050	< 0.050
Total Xylenes	BTEX 8021B		41.8	28.2	3.94	<0.150	< 0.150
Total BTEX	BTEX 8021B		59.2	38.7	5.11	< 0.300	< 0.300
Chloride	SM4500CI-B		n/a	32	n/a	n/a	n/a
GRO	TPH 8015M		2550	1400	123	<10.0	<10.0
DRO	TPH 8015M		9260	7550	1030	29.7	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 6'	SP2 @ 8'	SP2 @ 9'
Analyte	Method	Date	2/20/15	2/20/15	2/23/15	2/23/15	2/23/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<2.00	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		21.5	25	0.05	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		23.4	25	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		85.1	83.3	0.218	<0.150	<0.150
Total BTEX	BTEX 8021B		130	133	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		n/a	<16.0	n/a	n/a	n/a
GRO	TPH 8015M		4500	4390	15.8	<10.0	<10.0
DRO	TPH 8015M		16300	13200	237	22.9	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	2/23/15	2/23/15	2/23/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<5.00	<2.00	< 0.050
Toluene	BTEX 8021B		36.1	15	0.068
Ethylbenzene	BTEX 8021B		27.8	15.2	< 0.050
Total Xylenes	BTEX 8021B		91.5	54.4	<0.150
Total BTEX	BTEX 8021B		155	84.6	< 0.300
Chloride	SM4500CI-B		n/a	64	n/a
GRO	TPH 8015M		5670	2900	<10.0
DRO	TPH 8015M		14100	7900	<10.0

		Sample	SP4 @ 1'	SP4 @ 3'	SP4 @ 5'	SP4 @ 6'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<2.00	< 0.050	< 0.050
Toluene	BTEX 8021B		19	7.37	0.051	< 0.050
Ethylbenzene	BTEX 8021B		18.5	8.56	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		64.7	31.8	< 0.150	<0.150
Total BTEX	BTEX 8021B		102	47.7	< 0.300	< 0.300
Chloride	SM4500CI-B		n/a	80	n/a	n/a
GRO	TPH 8015M	·	3920	2140	11.3	<10.0
DRO	TPH 8015M		12000	8060	243	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	1	<2.00	< 0.050	< 0.050
Toluene	BTEX 8021B		17.7	0.741	< 0.050
Ethylbenzene	BTEX 8021B	1	17.8	0.79	< 0.050
Total Xylenes	BTEX 8021B	1	56.8	2.94	< 0.150
Total BTEX	BTEX 8021B		92.3	4.48	< 0.300
Chloride	SM4500CI-B		n/a	n/a	32
GRO	TPH 8015M		3750	45.4	<10.0
DRO	TPH 8015M		10200	594	<10.0

		Sample	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.500	< 0.500	< 0.050
Toluene	BTEX 8021B	1	2.97	0.124	< 0.050
Ethylbenzene	BTEX 8021B	1	3.41	0.116	< 0.050
Total Xylenes	BTEX 8021B		12.7	0.388	< 0.150
Total BTEX	BTEX 8021B	1	19.1	0.628	< 0.300
Chloride	SM4500CI-B		n/a	n/a	<16.0
GRO	TPH 8015M		704	<10.0	<10.0
DRO	TPH 8015M		9620	141	23.3

		Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	S	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B	3	0.105	0.103	< 0.050
Ethylbenzene	BTEX 8021B	3	0.069	< 0.050	< 0.050
Total Xylenes	BTEX 8021B	3	0.224	0.231	<0.150
Total BTEX	BTEX 8021B	3	0.398	0.334	< 0.300
Chloride	SM4500CI-B		n/a	n/a	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		43	175	<10.0

		Sample	SP8 @ 1'	SP8 @ 3'	SP8 @ 5'	SP8 @ 7'	SP8 @ 8'
Analyte	Method	Date	2/24/15	2/24/15	2/24/15	2/24/15	2/24/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	1	<5.00	<5.00	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B	1	37.2	54.7	0.071	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B	1	27.4	32	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		94	95.1	<0.150	< 0.150	< 0.150
Total BTEX	BTEX 8021B	1	159	182	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		n/a	<16.0	n/a	n/a	n/a
GRO	TPH 8015M		4960	5370	<10.0	<10.0	<10.0
DRO	TPH 8015M		14100	11200	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary Covington A Federl #18 Battery

		Sample	SP9 @ 1'	SP9 @ 2'	SP9 @ 4'	SP9 @ 5'
Analyte	Method	Date	2/25/15	2/25/15	2/25/15	2/25/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		5.1	0.128	0.125	< 0.050
Ethylbenzene	BTEX 8021B		8.51	0.195	0.153	< 0.050
Total Xylenes	BTEX 8021B		36.8	0.964	0.737	<0.150
Total BTEX	BTEX 8021B		50.4	1.29	1.02	< 0.300
Chloride	SM4500CI-B		n/a	n/a	112	n/a
GRO	TPH 8015M		2130	59.1	36.9	<10.0
DRO	TPH 8015M		11600	510	435	57.3

		Sample	SP10 @ 1'	SP10 @ 2'	SP10 @ 4'	SP10 @ 5'
Analyte	Method	Date	2/25/15	2/25/15	2/25/15	2/25/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050	< 0.050	< 0.050
Toluene	BTEX 8021B		0.756	0.061	< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		0.831	< 0.050	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		3.12	0.196	<0.150	<0.150
Total BTEX	BTEX 8021B		4.7	< 0.300	< 0.300	< 0.300
Chloride	SM4500CI-B		n/a	n/a	<16.0	n/a
GRO	TPH 8015M		116	<10.0	<10.0	<10.0
DRO	TPH 8015M		462	190	99.2	25.7

		Sample	SP11 @ 1'	SP11 @ 3'	SP11 @ 5'	SP11 @ 6'
Analyte	Method	Date	2/25/15	2/26/15	2/26/15	2/26/15
			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		n/a	<16.0	n/a	n/a
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		522	61.5	131	<10.0

		Sample	SP12 @ 1'	SP12 @ 3'	SP12 @ 5'	SP12 @ 6'
Analyte	Method	Date	2/26/15	2/26/15	2/26/15	2/26/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.500	< 0.500	< 0.050	< 0.050
Toluene	BTEX 8021B		33.2	2.67	0.052	< 0.050
Ethylbenzene	BTEX 8021B		18.8	2.71	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		61.1	10.2	<0.150	<0.150
Total BTEX	BTEX 8021B		113	15.6	< 0.300	< 0.300
Chloride	SM4500CI-B		n/a	128	n/a	n/a
GRO	TPH 8015M		5190	628	<10.0	<10.0
DRO	TPH 8015M		16500	2150	26.1	<10.0



September 16, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: COVINGTON A FEDERAL #18 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/10/14 12:45.

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: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ 1' (H402803-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1		
Toluene*	5.15	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52		
Ethylbenzene*	7.37	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79		
Total Xylenes*	43.3	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70		
Total BTEX	55.9	12.0	09/12/2014	ND						
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 89.4-12	6							
TPH 8015M	mg/	'kg	Analyzed By: ms						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2280	100	09/11/2014	ND	177	88.3	200	1.34		
DRO >C10-C28	11300	100	09/11/2014	ND	200	100	200	3.79		
Surrogate: 1-Chlorooctane	237 9	% 65.2-14	0							
Surrogate: 1-Chlorooctadecane	278 9	% 63.6-15	4							

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: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ 3' (H402803-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	1.08	1.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	1.70	1.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	17.5	3.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	20.2	6.00	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 89.4-12	6						
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	1440	200	09/11/2014	ND	177	88.3	200	1.34	
DRO >C10-C28	9880	200	09/11/2014	ND	200	100	200	3.79	
Surrogate: 1-Chlorooctane	209	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	232	% 63.6-15	4						

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Cool & Intact

Jodi Henson



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition:
Project Number: NOT GIVEN Sample Received By:

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ 5' (H402803-03)

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	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<0.050	0.050	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	<0.050	0.050	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	1.16	0.150	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	1.16	0.300	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
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	79.3	50.0	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	1340	50.0	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	106 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	127 9	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ 7' (H402803-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	<2.00	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	3.25	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	23.6	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	26.9	12.0	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 89.4-12	6						
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	2000	200	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	12300	200	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	222 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	318 9	63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 1 @ 9' (H402803-05)

BTEX 8021B	mg/	mg/kg Analyzed							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	0.564	0.200	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	0.777	0.200	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	5.17	0.600	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	6.51	1.20	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 89.4-12	6						
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	301	50.0	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	2160	50.0	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	117 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	140 9	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ 1' (H402803-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	23.1	5.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	15.9	5.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	84.8	15.0	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	124	30.0	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 89.4-12	6						
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	6420	200	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	23500	200	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	303	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	575	% 63.6-15	4						

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Cool & Intact

Jodi Henson

Sampling Condition:

Sample Received By:



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY
Project Number: NOT GIVEN

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ 3' (H402803-07)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	5.89	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	7.62	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	47.2	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	60.7	12.0	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 89.4-12	6						
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	2830	200	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	18200	200	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	206	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	468	% 63.6-15	4						

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Jodi Henson



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil
Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition:
Project Number: NOT GIVEN Sample Received By:

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ 5' (H402803-08)

BTEX 8021B	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	10.4	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	10.5	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	57.1	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	77.9	12.0	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 89.4-12	6						
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	2980	200	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	13900	200	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	267	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	317	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ 7' (H402803-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/12/2014	ND	1.81	90.4	2.00	11.1	
Toluene*	27.6	2.00	09/12/2014	ND	1.69	84.4	2.00	8.52	
Ethylbenzene*	18.5	2.00	09/12/2014	ND	1.77	88.3	2.00	8.79	
Total Xylenes*	83.9	6.00	09/12/2014	ND	5.41	90.2	6.00	9.70	
Total BTEX	130	12.0	09/12/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 89.4-12	6						
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	3640	200	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	10100	200	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	149	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	254	% 63.6-15	4						

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Cool & Intact

Jodi Henson

Sampling Condition:

Sample Received By:



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY
Project Number: NOT GIVEN

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 2 @ 9' (H402803-10)

BTEX 8021B	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	2.38	1.00	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	4.12	1.00	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	20.8	3.00	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	27.3	6.00	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 89.4-12	6						
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	1420	100	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	4070	100	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	140	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	142	% 63.6-15	4						

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Cool & Intact

Jodi Henson



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition:
Project Number: NOT GIVEN Sample Received By:

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 3 @ 1' (H402803-11)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	4.52	2.00	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	4.85	2.00	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	33.2	6.00	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	42.5	12.0	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 89.4-12	6						
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	2130	200	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	11500	200	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	208	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	266	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 3 @ 3' (H402803-12)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.500	0.500	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.500	0.500	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	3.12	1.50	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	3.12	3.00	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 89.4-12	26						
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	405	100	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	4690	100	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	133	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	191	% 63.6-15	i <i>4</i>						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 3 @ 5' (H402803-13)

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	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	0.220	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 89.4-12	6						
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	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	96.1	10.0	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	95.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 9	63.6-15	4						

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Cool & Intact

Jodi Henson

200

10.2

Sampling Condition:

Sample Received By:



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY
Project Number: NOT GIVEN

mg/kg

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 4 @ 1' (H402803-14)

BTEX 8021B

DRO >C10-C28

				-					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	0.526	0.100	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	0.838	0.100	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	3.49	0.300	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	4.85	0.600	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 89.4-12	6						
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	149	100	09/12/2014	ND	181	90.5	200	3.80	

ND

212

106

09/12/2014

Analyzed By: MS

Surrogate: 1-Chlorooctane 109 % 65.2-140
Surrogate: 1-Chlorooctadecane 160 % 63.6-154

687

100

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Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/05/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 4 @ 2' (H402803-15)

BTEX 8021B	mg/kg Analyzed			d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	0.265	0.100	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	0.305	0.100	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	1.55	0.300	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	2.12	0.600	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 89.4-12	26						
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	119	100	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	772	100	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	104 9	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	148 9	% 63.6-15	14						

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/08/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 5 @ SURFACE (H402803-16)

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	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	0.178	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 89.4-12	6						
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	<50.0	50.0	09/12/2014	ND	181	90.5	200	3.80	
DRO >C10-C28	144	50.0	09/12/2014	ND	212	106	200	10.2	
Surrogate: 1-Chlorooctane	103 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	125 9	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/08/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 5 @ 1' (H402803-17)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	0.192	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 % 89.4-12		6						
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/11/2014	ND	198	99.1	200	4.65	
DRO >C10-C28	56.3	10.0	09/11/2014	ND	198	98.9	200	8.84	
Surrogate: 1-Chlorooctane	108 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	126 9	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/08/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 6 @ SURFACE (H402803-18)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 89.4-12	6						
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	09/11/2014	ND	198	99.1	200	4.65	
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84	
Surrogate: 1-Chlorooctane	102 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 9	63.6-15	4						

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/08/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 6 @ 1' (H402803-19)

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	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 89.4-12	6						
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	09/11/2014	ND	198	99.1	200	4.65	
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84	
Surrogate: 1-Chlorooctane	108 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	117 9	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/08/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 7 @ SURFACE (H402803-20)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 89.4-12	6						
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	09/11/2014	ND	198	99.1	200	4.65	
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84	
Surrogate: 1-Chlorooctane	102 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110 9	% 63.6-15	4						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 09/10/2014 Sampling Date: 09/08/2014

Reported: 09/16/2014 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP 7 @ 1' (H402803-21)

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	09/15/2014	ND	1.98	99.0	2.00	3.38	
Toluene*	<0.050	0.050	09/15/2014	ND	1.86	92.9	2.00	1.44	
Ethylbenzene*	<0.050	0.050	09/15/2014	ND	1.91	95.6	2.00	2.67	
Total Xylenes*	<0.150	0.150	09/15/2014	ND	5.79	96.5	6.00	3.93	
Total BTEX	<0.300	0.300	09/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 89.4-12	6						
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	09/11/2014	ND	198	99.1	200	4.65	
DRO >C10-C28	<10.0	10.0	09/11/2014	ND	198	98.9	200	8.84	
Surrogate: 1-Chlorooctane	124 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	135 9	% 63.6-15	4						

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	505) 393-2326 FAX (505) 393-24	-2410	90				DECLIEST	
company Name:	BBC International, Inc.		BILL TO			AINALISIS		1
roject Manager	Project Manager: Cliff Brunson		P.O. #:					
ddress: P.O.	P.O. Box 805		Company:					
city: Hobbs	State: NM	VM Zip: 88241	Attn:					
hone #: 575-397-6388	97-6388 Fax #:	575-397-0397	Address:					
roject #:	Project (Project Owner: Oxy	City:					
roject Name: (Project Name: Covington A Federal #18 Battery	tery	State: Zip:					
roject Location:	: Lea County, NM		Phone #:					
Sampler Name:	Price Brunson		1					
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	ING				
Lab I.D.	Sample I.D.	AB OR (C)OMI NTAINERS JINDWATER FEWATER	GGE ER: COOL ER:	TPH-	TEX			
C.02.014	SP1 @ 1'	- #	A .	9:00AM 🗸	~			
2	SP1 @ 3'	61	9/5/14	9:20 AM	<			
S	SP1 @ 5'	61 /	9/5/14	9:40 AM				
4	SP1 @ 7'	6 1	J 9/5/14	10:00 AM				
n)	SP1 @ 9'	0-	9/5/14	10:20 AM	. <			
6	SP2 @ 1'	0-	9/5/14	10:40 AM				
7	SP2 @ 3'	0	9/5/14	11.00 AM	\ \			
8	SP2 @ 5'	00	9/5/14	11.00 AM				
٥٥	SP2 @ 7'		9/5/14	12:00 PM	< <			
PLEASE NOTE: Liability and Damages.	nd Damages. Cardinal's liability and client's exclusive re	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	ontract or tort, shall be limited to the amount p	paid by the client for the	licable			
analyses. All claims includ service. In no event shall (negligence ble for inci	er shall be deemed walved unless made in writing, including without limitation, business interruptions to Cardinal reparalless of whather such	s, deemed waived unless made in writing and received by Cardinal within 30 days g without limitation, business interruptions, loss of use, or loss of profits incurred by g without limitation, business interruptions, loss of use, or loss of profits incurred by g without limitation, business interruptions, loss of use, or loss of the above stated of Coordinal recordings of whether such claim is based upon any of the above stated of Coordinal recordings of whether such claims in the state of	Ifter completion of the app y client, its subsidiaries, reasons or otherwise.	licable			
Relinquished By:	ned By: Date:	- 1		Phone Result:	□ Yes □	No Add'l Fax #:		
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Relinquished By:	Per /	Received By:						
M	28	15/W	2					
Delivered By	Delivered By: (Circle One)	- 10	act (Initials)					
Sampler - UPS	Sampler - UPS - Bus - Other:	5.42 Pres Pres	No CA					

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #54

Page 24 of 26



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(000) 000 -0-0	
Company Name: BBC International, Inc.	BILL TO
Project Manager: Cliff Brunson	P.O. #:
Address: P.O. Box 805	Company:
City: Hobbs State: NM Zip: 88241	Attn:
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:
Project #: Project Owner: Oxy	City:
Project Name: Covington A Federal #18 Battery	State: Zip:
Project Location: Lea County, NM	Phone #:
Sampler Name: Price Brunson	Fax #:
FOR LAB USE ONLY MATRIX	RESERV. SAMPLING

WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE:	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 DATE	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 95/14 DATE	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM	SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME TIME	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM
SLUDGE OTHER: ACID/BASE:	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: 9/5/14 1:20 PM 1:40 PM
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Sample Condition
Cool Intact
Pres Pres
No No

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

Relinquished By

Received By

Phone Result:
Fax Result:
REMARKS:

☐ Yes

□ No

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

25 of 26

Page 25 of 26

CHAIN-OF-CUSTODY AND ANALYSIS REQUE

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(3

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

(505) 393-2326 FAX (505) 393-2476					
Company Name: BBC International, Inc.		BILL TO	_	1	ANALISIS NEGOCO
Project Manager: Cliff Brunson		P.O. #:			
Address: P.O. Box 805		Company:			
obs State: NM	Zip: 88241	Attn:			
5-397-6388 Fax #:	575-397-0397	Address:			
Project #: Project Owner: Oxy	Оху	City:			
ame: Covington A Federal		State: Zip:		_	
Project Location: Lea County, NM		Phone #:			
		Fax #:			
\neg	MATRIX	PRESERV. SAMPLING	ING		
Lab I.D. Sample I.D.)/BASE: / COOL	TPH	TEX	
H402803	# CO		TIME	B	
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	6 - <	9/8/14	. <	. <	
SP7 @ SURFACE	61 1	9/8/14	<	. <	
31 SP7@1'	61	9/8/14	11:11 AM 🗸	_	
2014					
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out of or related to the performance of	Phone i	is based upon any of the above stated	#		No Add'l Phone #:
Relinquished By: \\E\frac{\frac{1}{5}\tau_{\text{Lu}}}{\text{Time:}}\ \psi_{\text{U}}\ \ps	Received by:			□ Yes □	
Relinquished By: Charles Charles	Received by:	8			
Delivered-By: (Circle-One)		(Initials			
Sampler - UPS - Bus - Other: 5,4%	TO No No				

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

Page 26 of 26



March 05, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: COVINGTON A FEDERAL #18 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/27/15 11:40.

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)

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: 02/27/2015 Sampling Date: 02/20/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP1 @ 1 (H500563-01)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	7.42	2.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	9.90	2.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	41.8	6.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	59.2	12.0	03/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 61-154	1						
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	2550	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	9260	100	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	124	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	150	% 52.1-17	6						

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: 02/27/2015 Sampling Date: 02/20/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP1 @ 3 (H500563-02)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	4.14	1.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	6.32	1.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	28.2	3.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	38.7	6.00	03/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 61-154	!						
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	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1400	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	7550	100	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	134	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	123	% 52.1-17	6						

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: 02/27/2015 Sampling Date: 02/20/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP1 @ 5 (H500563-03)

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	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.326	0.050	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	0.845	0.050	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	3.94	0.150	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	5.11	0.300	03/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	1						
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	123	50.0	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	1030	50.0	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	73.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	68.6	% 52.1-17	6						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/20/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP1 @ 6 (H500563-04)

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	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154	!						
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	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	29.7	10.0	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	60.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	52.2	% 52.1-17	6						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/20/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP1 @ 7 (H500563-05)

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	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 61-154	1						
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	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	63.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	56.9	% 52.1-17	6						

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Received: 02/27/2015 Sampling Date: 02/20/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP2 @ 1 (H500563-06)

BTEX 8021B	mg,	'kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	21.5	2.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	23.4	2.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	85.1	6.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	130	12.0	03/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 61-154	1						
TPH 8015M	mg,	'kg	Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4500	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	16300	100	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	230	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	260	% 52.1-17	'6						

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Received: 02/27/2015 Sampling Date: 02/20/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP2 @ 3 (H500563-07)

BTEX 8021B	mg	/kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/02/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	25.0	2.00	03/02/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	25.0	2.00	03/02/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	83.3	6.00	03/02/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	133	12.0	03/02/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 61-154	!						
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	03/02/2015	ND	400	100	400	0.00	
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	4390	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	13200	100	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	148								

Surrogate: 1-Chlorooctadecane 208 % 52.1-176

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Received: 02/27/2015 Sampling Date: 02/23/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP2 @ 6 (H500563-08)

BTEX 8021B	mg,	mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	0.218	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 61-154	1						
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	15.8	10.0	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	237	10.0	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	66.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	57.8	% 52.1-17	' 6						

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Received: 02/27/2015 Sampling Date: 02/23/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP2 @ 8 (H500563-09)

EX 8021B	mg/	kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 61-154	1						
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	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	22.9	10.0	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	65.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	59.7	% 52.1-17	6						

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Received: 02/27/2015 Sampling Date: 02/23/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP2 @ 9 (H500563-10)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 61-154	!						
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	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	60.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	52.1	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/23/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP3 @ 1 (H500563-11)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	36.1	5.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	27.8	5.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	91.5	15.0	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	155	30.0	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 61-154	1						
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	5670	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	14100	100	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	162	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	230	% 52.1-17	'6						

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Cool & Intact

Jodi Henson

Sampling Condition:

Sample Received By:



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/23/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY
Project Number: NOT GIVEN

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP3 @ 3 (H500563-12)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	15.0	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	15.2	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	54.4	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	84.6	12.0	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 61-154	!						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2900	100	02/27/2015	ND	201	101	200	2.21	
DRO >C10-C28	7900	100	02/27/2015	ND	186	92.8	200	4.05	
Surrogate: 1-Chlorooctane	155	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	124	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/23/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP3 @ 4 (H500563-13)

BTEX 8021B	mg/	mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.068	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 61-154	!						
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	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	63.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	56.6	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP4 @ 1 (H500563-14)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	19.0	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	18.5	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	64.7	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	102	12.0	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 61-154	1						
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	3920	100	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	12000	100	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	143	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	181	% 52.1-17	6						

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Cool & Intact

Jodi Henson



Analytical Results For:

BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition:
Project Number: NOT GIVEN Sample Received By:

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP4 @ 3 (H500563-15)

BTEX 8021B	mg	mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	7.37	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	8.56	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	31.8	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	47.7	12.0	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 61-154	!						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2140	100	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	8060	100	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	153	% 47.2-15	7						

Surrogate: 1-Chlorooctadecane 172 % 52.1-176

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP4 @ 5 (H500563-16)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.051	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 61-154	1						
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	11.3	10.0	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	243	10.0	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	65.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	58.6	% 52.1-17	<i>'</i> 6						

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP4 @ 6 (H500563-17)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 61-154	!						
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	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	60.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	57.2	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP5 @ 1 (H500563-18)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	17.7	2.00	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	17.8	2.00	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	56.8	6.00	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	92.3	12.0	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 61-154	!						
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	3750	100	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	10200	100	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	128 :	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	161	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP5 @ 2 (H500563-19)

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	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	0.741	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	0.790	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	2.94	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	4.48	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 61-154	1						
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	45.4	10.0	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	594	10.0	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	67.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	63.0	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP5 @ 3 (H500563-20)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.85	92.7	2.00	8.04	
Toluene*	<0.050	0.050	03/03/2015	ND	1.67	83.4	2.00	8.02	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.88	94.2	2.00	9.05	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.09	84.8	6.00	9.68	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 61-154	!						
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	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	65.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	56.1	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP6 @ 1 (H500563-21)

BTEX 8021B	mg/	kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	2.97	0.500	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	3.41	0.500	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	12.7	1.50	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	19.1	3.00	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 61-154	4						
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	704	100	02/27/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	9620	100	02/27/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	120 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	174 9	% 52.1-17	<i>'</i> 6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP6 @ 2 (H500563-22)

BTEX 8021B	mg,	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.124	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	0.116	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	0.388	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	0.628	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 61-154	1						
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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	141	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	64.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	59.4	% 52.1-17	'6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP6 @ 3 (H500563-23)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	< 0.050	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	< 0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8 9	% 61-154	!						
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	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	23.3	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	63.5 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	60.9 9	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP7 @ 1 (H500563-24)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.105	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	0.069	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	0.224	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	0.398	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 61-154	1						
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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	43.0	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	67.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	63.1	% 52.1-17	6						

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP7 @ 2 (H500563-25)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.103	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	0.231	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	0.334	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 61-154	!						
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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	175	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	68.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	64.0	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP7 @ 3 (H500563-26)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	< 0.050	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	< 0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 61-154							
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	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	64.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	54.8 9	% 52.1-17	6						

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Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP8 @ 1 (H500563-27)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	37.2	5.00	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	27.4	5.00	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	94.0	15.0	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	159	30.0	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 61-154	1						
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	4960	100	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	14100	100	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	161 %	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	221 9	52.1-17	6						

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Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP8 @ 3 (H500563-28)

BTEX 8021B	mg/kg Analyzed By: ms								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	54.7	5.00	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	32.0	5.00	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	95.1	15.0	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	182	30.0	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 61-154	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5370	100	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	11200	100	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	141	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	171	% 52.1-17	6						

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Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP8 @ 5 (H500563-29)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	0.071	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 61-154	!						
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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	63.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	58.1	% 52.1-17	6						

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Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP8 @ 7 (H500563-30)

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	03/03/2015	ND	1.90	95.1	2.00	8.95	
Toluene*	<0.050	0.050	03/03/2015	ND	1.71	85.7	2.00	8.95	
Ethylbenzene*	<0.050	0.050	03/03/2015	ND	1.98	99.2	2.00	8.03	
Total Xylenes*	<0.150	0.150	03/03/2015	ND	5.37	89.5	6.00	8.22	
Total BTEX	<0.300	0.300	03/03/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 61-154	1						
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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	63.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	57.4	% 52.1-17	'6						

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Received: 02/27/2015 Sampling Date: 02/24/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP8 @ 8 (H500563-31)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 61-154	1						
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	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	66.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	58.0	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP9 @ 1 (H500563-32)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	5.10	2.00	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	8.51	2.00	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	36.8	6.00	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	50.4	12.0	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 61-154	!						
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	2130	100	02/28/2015	ND	197	98.7	200	0.687	
DRO >C10-C28	11600	100	02/28/2015	ND	192	96.2	200	3.20	
Surrogate: 1-Chlorooctane	142 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	168 9	% 52.1-17	6						

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Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP9 @ 2 (H500563-33)

BTEX 8021B	mg,	'kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.128	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	0.195	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	0.964	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	1.29	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 61-154	1						
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	59.1	10.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	510	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	73.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	73.1	% 52.1-17	'6						

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Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP9 @ 4 (H500563-34)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.125	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	0.153	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	0.737	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	1.02	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 61-154	!						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	36.9	10.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	435	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	71.0	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	63.8	% 52.1-17	6						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP9 @ 5 (H500563-35)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 61-154	1						
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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	57.3	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	69.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	64.1	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP10 @ 1 (H500563-36)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.756	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	0.831	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	3.12	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	4.70	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 61-154	1						
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	116	50.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	462	50.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	71.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	68.3	% 52.1-17	'6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP10 @ 2 (H500563-37)

BTEX 8021B	mg/	kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	0.061	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	0.196	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154	1						
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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	190	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	72.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	67.5	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP10 @ 4 (H500563-38)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4 9	% 61-154	!						
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	03/02/2015	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	99.2	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	68.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	63.8 9	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP10 @ 5 (H500563-39)

BTEX 8021B	mg/	kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.4	% 61-154	1						
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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	25.7	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	66.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	64.4	% 52.1-17	6						

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Cool & Intact

Jodi Henson



Analytical Results For:

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/25/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition:
Project Number: NOT GIVEN Sample Received By:

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP11 @ 1 (H500563-40)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.9	% 61-154	1						
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	<50.0	50.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	522	50.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	62.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	68.4	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/26/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP11 @ 3 (H500563-41)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2 9	% 61-154	!						
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	03/02/2015	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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	61.5	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	67.0 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	59.5	% 52.1-17	6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/26/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP11 @ 5 (H500563-42)

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	03/04/2015	ND	1.97	98.3	2.00	4.17	
Toluene*	<0.050	0.050	03/04/2015	ND	1.79	89.4	2.00	2.85	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	1.97	98.7	2.00	4.44	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.29	88.1	6.00	4.80	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 61-154	1						
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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	131	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	69.6	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	64.2	% 52.1-17	<i>'</i> 6						

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/26/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP11 @ 6 (H500563-43)

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	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	<0.050	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.4	% 61-154	1						
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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	64.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	56.8	% 52.1-17	6						

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Cool & Intact

Jodi Henson



Analytical Results For:

BBC International, Inc.

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Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/26/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition:
Project Number: NOT GIVEN Sample Received By:

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP12 @ 1 (H500563-44)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	33.2	5.00	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	18.8	5.00	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	61.1	15.0	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	113	30.0	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 61-154	1						
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	5190	100	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	16500	100	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	177	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	259	% 52.1-17	6						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/26/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP12 @ 3 (H500563-45)

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	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	2.67	0.500	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	2.71	0.500	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	10.2	1.50	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	15.6	3.00	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 61-154	!						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/02/2015	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	628	50.0	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	2150	50.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	94.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	81.7	% 52.1-17	6						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/26/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP12 @ 5 (H500563-46)

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	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	0.052	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 61-154	1						
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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	26.1	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	70.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	61.0	% 52.1-17	6						

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 02/27/2015 Sampling Date: 02/26/2015

Reported: 03/05/2015 Sampling Type: Soil

Project Name: COVINGTON A FEDERAL #18 BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Jodi Henson

Project Location: OXY - LEA COUNTY, NM

Sample ID: SP12 @ 6 (H500563-47)

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	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	<0.050	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.5	% 61-154	1						
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	02/28/2015	ND	193	96.7	200	3.97	
DRO >C10-C28	<10.0	10.0	02/28/2015	ND	182	91.1	200	5.14	
Surrogate: 1-Chlorooctane	64.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	56.9	% 52.1-17	6						

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

matrix interference's.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 88240	ABDINIAL LABORATORIES	
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(505) 393-2326 FAX (505) 393-2476	
Company Name: BBC International, Inc.	BILL TO ANALYSIS REQUEST
2.2	P.O. #:
Address: P.O. Box 805	Company:
State: N	Zip: 88241 Attn:
5-397-6388 Fax #:	575-397-0397 Address:
Project #: Project Owner:	VXO
Project Name: County ton A to	State: Zip:
Project Location: Mills Panel,	Phone #:
Sampler Name: John Orme/85	Fax #:
FOR LAB USE ONLY	MATRIX PRESERV SAMIFLING
Lab I.D. Sample I.D.	G)RAB OR (C)OMI CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME
(0/d5)	
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6 50201	G-1 X X 2/5 X X X
	C-11 X X 2.23 100 X X
	(-11 x x 133 x x x
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for pLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for people and any other cause whatsoever shall be	PLEASE NOTE: Liability and Damages. Cardinar'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 PLEASE NOTE: Unability and Damages. Cardinar'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 PLEASE NOTE: Unability and Damages. Cardinar'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 publicable and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinar within 30 days after completion of the applicable
service. In no event shall Cardinal be liable for incidental or consequental damages, including v affiliates or successperarising out of or related to the performance of services hereunder by Ca] Yes □ No
Relinquished By:	□ Yes □ No
Relinquished By:	Received By:

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

Sample Condition
Cool Intact
Wes Pyes
No No No

CHECKED BY:

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

Time:

Page 50 of 54



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476		
Company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805	Company:	
City: Hobbs State: NM Zip: 88241	Attn:	t
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner: 0 XV	City:	
Project Name: Office of A Toleral 10	State: Lips VI	
Project Location: (M.) Ranch	Phone #:	
Sampler Name: Tokk Orne/>	Fax #:	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	

H500563

Lab I.D.

Sample I.D.

CONTAINERS GROUNDWATER WASTEWATER

SOIL OIL SLUDGE OTHER ACID/BASE: ICE / COOL OTHER

DATE

TIME

ises. All claims, including those for negligence and any other cause whatsoever shall be deep द्यं क्रा के द्रा कि दे व

service. In no event shall Cardinal be liable for incidental or consecutive	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of points incurred y limit. Its substantians, substantials are substantially controlled to the controll	CHEFIT, ITS SUDSICIALIES,			
affiliates or successors arising out of or related to the performance of services hereunder by Card	of services hereunder by Cardinal, regardless of whether such dallin is beset upon any or the above search reported or otherwise. Phone Res	ult	□ Yes	□ No	Add'l Phone #:
Relinquisped by:	Date: 3		□ Yes	□ No	Add'l Fax #:
////	Time: 10	REMARKS:			
Vyky Crue/21	II TO WAN DESTROY				
Relinquished By:	Date: Received By:				
	Time:				
Delivered By: (Circle One)	Sample Condition CHECKED BY: Cool Intact #nitials)				
Sampler - UPS - Bus - Other:	[m =				

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

Page 51 of 54



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(505) 393-2326 FAX (505) 393-24/6	-24/6			
Company Name: BBC International, Inc.		BILL TO	ANALYSIS REQUEST	
Project Manager: Cliff Brunson		P.O. #:		
Address: P.O. Box 805		Company:		_
City: Hobbs State: NM	IM Zip: 88241	Attn:		
Phone #: 575-397-6388 Fax #:	575-397-0397	Address:		
Project #: Project Owner:	wner: $\omega X Y$	city: MM		
Project Name: Carrie 4	10	State: Zip:		
Project Location: Mills Rin	22	Phone #:		
Sampler Name: Take Orne		Fax #:	-	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.)RAB OR (C)OMP CONTAINERS ROUNDWATER ASTEWATER DIL L	THER: CID/BASE: E / COOL THER:	18	
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37 5886	C	**	329 X X X	
55	7	× -	X X X	
Condicate liability and client's exclusive to	medy for any claim arising whether based in contra	act or tort, shall be limited to the amount paid	amount paid by the client for the	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive interely for any claim usually written used in vocation to the applicable analyses. All claims including those for negligence and any other causes whatseverer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other causes whatseverer 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 Capathal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Capathal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	ninedy to lany claim arising wiretier based in writing ar shall be deemed walved unless made in writing ar shall be deemed walved unless made in writing as interruptions, including without limitation, business interruptions, so the the cruck habit	and received by Cardinal within 30 days after s, loss of use, or loss of profits incurred by cl s, loss of use, or loss of profits incurred by cl m is hased inon any of the above stated rea	pplicable	
affiliates or successors drising out of or related to the performance of services here Relinquished By: Date:	under by Cardinal, regardless of whether such claim is based upon any of the above sauce. Received By:	m is pased upon any or the above stated rea	It: Yes No	
Liber 15 Lib	00	denson	Fax Result:	
Time:				

Sample Condition
Cool Intact
Cool Pres Pres
No No No

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

Page 52 of 54

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476		
Company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Cliff Brunson	P.O. #:	
Address: P.O. Box 805	Company:	

company Name: BBC International, Inc.	BILL TO	ANALYSIS REQUEST
roject Manager: Cliff Brunson	P.O. #:	
D. Box 805	Company:	
State: NM Zip: 88241	Attn:	
hone #: 575-397-6388 Fax #: 575-397-0397	Address:	
roject #: Project Owner: O KV	City: 9h	
roject Name: Covingian A	State: Zip: NO	
roject Location: IMIII Rzach	Phone #:	
Sampler Name: Toff Orne /2	Fax #:	
	MATRIX PRESERV. SAMPLING	
ATER		3
ONTAINE OUNDW STEWAT	DGE ER: D/BASE: / COOL IER:	
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PLEASE NOTE: Liability and Damages. Can dar's liability and client's exclusive remedy for any claim dising whether based in contract or tort, shall be limited to the amount paid by the client for the participant of the property of the property of the participant of the participa	sed in contract or tort, shall be limited to the amount paid by the client for the ie in writing and received by Cardinal within 30 days after completion of the a interruptions, loss of use, or loss of profits incurred by client, its subsidiaries	pplicable
iffliates or successors appling out of or related to the performance of services hereunder by Cardinal, regardless of whether the control of	of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Phone Result:	□ Yes □ No
Relinquished By:	Fax Result:	
Relinquished By: Date: Received By:	Buchash	
Time:		
Delivered By: (Circle One) Samp	Sample Condition CHECKED BY: Cool Intact (Initials)	
Sampler - UPS - Bus - Other: 2,48 Pres No	Yes Ares	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BBC International, Inc. Cliff Brunson Box 805 State: N 97-6388 Fax #: Project C Sample I.D. Sample J.D.	M Zip: 88241 Attn: 575-397-0397 Address: GROUNDWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE:	ANALYSIS REQUEST
Sample I.D.	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
417 Sp/20 6 417 Sp/20 6 418 Sp/20 6		2236 X X X X X X X X X X X X X X X X X X X
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Delivered By: (Circle One)		

Kathy Purvis

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

Sent: Wednesday, January 14, 2015 3:53 PM

To: Cliff Brunson

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

Subject: RE: OXY - Covington A Federal #18 Battery - Remediation Plan

Cliff et al,

This is to confirm that OCD grants conditional approval (with concurrence from BLM) for the plan as written and discussed.

Regarding the RP's for the 3 events, OCD will retroactively apply the last RP-3284 to the entire site covered in this plan. We appreciate your patience and diligence.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD Hydrologist-Advanced Oil Conservation Division, EMNRD (575) 393-6161 ext 111

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

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.

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

Sent: Wednesday, January 14, 2015 3:19 PM

To: Oberding, Tomas, EMNRD

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

Subject: OXY - Covington A Federal #18 Battery - Remediation Plan

Tomas,

This e-mail is to confirm our conversation yesterday, January 13, 2015 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. The agreed upon remediation parameters are on the first page which is the site drawing with your initials beside the excavation depths. We are requesting BLM approval as well. The site had three leaks which are all included in this plan and we only have an RP number for the third leak: 1RP-3284.

If you would please e-mail your concurrence with this remediation 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

E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

From: Hughes, Solomon <shughes@blm.gov>
Sent: Wednesday, March 04, 2015 2:25 PM

To: Cliff Brunson

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

Subject: Re: FW: OXY - Covington A Federal #18 Battery - Remediation Plan

This plan is approved as written with the following conditions of approval:

• Oxy must fully delineate and remediate this spill upon final abandonment of the well and facilities.

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

Bests, Sol

Sol Hughes

Environmental Protection Division Bureau of Land Management 620 E. Greene St Carlsbad, NM

Office: 575.234.5951 Cell: 575.499.3378

On Mon, Feb 23, 2015 at 3:33 PM, Cliff Brunson <cbrunson@bbcinternational.com> wrote:

Sol,

This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Tomas Oberding of the NMOCD. His email follows this message.

If you will review the diagram on the attachment, it depicts the remediation plan and the areas and depths of the excavations. After the soil is excavated, the site will be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation 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

E-Mail: cbrunson@bbcinternational.com

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From: Oberding, Tomas, EMNRD [mailto: Tomas. Oberding@state.nm.us]

Sent: Wednesday, January 14, 2015 3:53 PM

To: Cliff Brunson

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

Subject: RE: OXY - Covington A Federal #18 Battery - Remediation Plan

Cliff et al,

This is to confirm that OCD grants conditional approval (with concurrence from BLM) for the plan as written and discussed.

Regarding the RP's for the 3 events, OCD will retroactively apply the last RP-3284 to the entire site covered in this plan.

We appreciate your patience and diligence.

Mahalo

-Doc

Tomáš 'Doc' Oberding, PhD

Hydrologist-Advanced

Oil Conservation Division, EMNRD

(575) 393-6161 ext 111

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

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.

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

Sent: Wednesday, January 14, 2015 3:19 PM

To: Oberding, Tomas, EMNRD

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

Subject: OXY - Covington A Federal #18 Battery - Remediation Plan

Tomas,
This e-mail is to confirm our conversation yesterday, January 13, 2015 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. The agreed upon remediation parameters are on the first page which is the site drawing with your initials beside the excavation depths. We are requesting BLM approval as well. The site had three leaks which are all included in this plan and we only have an RP number for the third leak: 1RP-3284.
If you would please e-mail your concurrence with this remediation 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.
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Phone: (575) 397-6388
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E-Mail: cbrunson@bbcinternational.com

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named recipient(s) is strictly prohibited.

Cliff Brunson

From:

John Maras@oxy.com

Sent:

Wednesday, August 19, 2015 3:06 PM

To:

Chancey_Summers@oxy.com

Subject:

FW: Covington A Fed #18

-----Original Message-----From: Jones, Christopher K

Sent: Tuesday, April 28, 2015 9:20 AM To: Maras, John P < John_Maras@oxy.com>

Subject: FW: Covington A Fed #18

Chris Jones HES OPS Specialist OUSA USOp PR Del HES ENV New Mexico Cell 575-499-3337

"We do not inherit the earth from our ancestors; we borrow it from our children." Chief Seattle

----Original Message----

From: Oberding, Tomas, EMNRD [mailto:Tomas.Oberding@state.nm.us]

Sent: Thursday, April 23, 2015 4:34 PM

To: Jones, Christopher K; shughes@blm.gov; jamos@blm.gov

Subject: RE: Covington A Fed #18

Gentlemen,

Based on the location, OCD conditionally approves the amended workplan for this location. Obtain concurrence from the BLM please.

Tomáš 'Doc' Oberding PhD Hydrologist, Adv-District 1 Oil Conservation Division, EMNRD (505) 476-3403 575-370-3180 (emergency-cell) E-Mail: tomas.oberding@state.nm.us

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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.

Please note:

-The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed.

-Photographic documentation is stipulated for all events involving liquids.

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

----Original Message----

From: Christopher_Jones@oxy.com [mailto:Christopher_Jones@oxy.com]

Sent: Thursday, April 23, 2015 8:44 AM

To: Oberding, Tomas, EMNRD; shughes@blm.gov; jamos@blm.gov

Subject: Covington A Fed #18

As per our conversation Doc at this location due to depth to ground water being 450' Oxy will be doing a 3' excavation across the entire site and going back with a liner and backfilling with all new material. Oxy will also be going back with a new infrastructure, ie new tanks etc. As far as the spill outside the battery Oxy will do a 6" scrap to clean that spill up. Oxy would like this to account as a full closure for all open spills at this facility. If approved from both Regulatory agencies. Please respond if all agree with this.

Chris Jones HES OPS Specialist OUSA USOp PR Del HES ENV New Mexico Cell 575-499-3337

"We do not inherit the earth from our ancestors; we borrow it from our children." Chief Seattle

Cliff Brunson

From:

Chancey_Summers@oxy.com

Sent:

Tuesday, August 25, 2015 8:57 AM

To:

cbrunson@bbcinternational.com; jgilkey@bbcinternational.com;

kathy@bbcinternational.com; kswinney@bbcinternational.com

Subject:

FW: Covington A Fed #18

Thank You
C.J. Summers
HES Lead
Cell # 575-631-9436
Office # 432-685-5824
Chancey_Summers@oxy.com

"When the blind lead the blind, get out of the way!"



Worksite Safety Requirement - August Focus WSR 7 – Follow Confined Safety Policy

From: Maras, John P

Sent: Wednesday, August 19, 2015 4:07 PM

To: Summers, Chancey J

Subject: FW: Covington A Fed #18

From: Jones, Christopher K

Sent: Wednesday, June 17, 2015 10:26 AM **To:** Maras, John P < <u>John Maras@oxy.com</u>>

Subject: RE: Covington A Fed #18

John, I got verbal and email confirmation because I thought this was a project that was needing expedited so it was not formally written up but as long as we have email confirmation we are good to go.

Chris Jones HES OPS Specialist OUSA USOp PR Del HES ENV New Mexico Cell 575-499-3337

"We do not inherit the earth from our ancestors; we borrow it from our children." Chief Seattle

From: Maras, John P

Sent: Wednesday, June 17, 2015 11:18 AM

To: Jones, Christopher K

Subject: Re: Covington A Fed #18

Chris

Can you forward me the actual remediation plan and associated paperwork for the Covington

Thanks

Sent from my iPhone

On Apr 28, 2015, at 10:20 AM, "Jones, Christopher K" < Christopher Jones@oxy.com > wrote:

This was the last one I was waiting on, we are a go baby.

Chris Jones HES OPS Specialist OUSA USOp PR Del HES ENV New Mexico Cell 575-499-3337

"We do not inherit the earth from our ancestors; we borrow it from our children." Chief Seattle

From: Hughes, Solomon [mailto:shughes@blm.gov]

Sent: Tuesday, April 28, 2015 10:18 AM

To: Jones, Christopher K

Cc: Tomas 'Doc' Oberding PhD; James Amos

Subject: Re: Covington A Fed #18

This plan is approved as written with the following conditions:

BLM approval of this proposal does not relieve the operator of liability, should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, any other aspects of the natural environment, human health, or if the location does not properly reclaim. In such an event that location does not re-vegetate, or future issues with contaminants are encountered, the operator will be asked to address the location until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition,

BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

Bests,

Sol

Sol Hughes

Environmental Protection Division Bureau of Land Management 620 E. Greene St Carlsbad, NM

Office: 575.234.5951 Cell: 575.499.3378

On Thu, Apr 23, 2015 at 8:43 AM, < Christopher Jones@oxy.com> wrote: As per our conversation Doc at this location due to depth to ground water being 450' Oxy will be doing a 3' excavation across the entire site and going back with a liner and backfilling with all new material. Oxy will also be going back with a new infrastructure, ie new tanks etc. As far as the spill outside the battery Oxy will do a 6" scrap to clean that spill up. Oxy would like this to account as a full closure for all open spills at this facility. If approved from both Regulatory agencies. Please respond if all agree with this.

Chris Jones HES OPS Specialist OUSA USOp PR Del HES ENV New Mexico Cell 575-499-3337

"We do not inherit the earth from our ancestors; we borrow it from our children." Chief Seattle

