Closure Repo APPROVED

By JKeyes at 3:28 pm, Jan 14, 2016

Site Description						
Site Name:	Patterson B-52 Federal Com #2H					
Company:	COG Operating LLC					
Legal Description:	U/L A, Section 5, T19S, R32E					
County:	Lea County, NM					
GPS Coordinates:	N 32.69570° W 103.78062°					

Release Data						
Date of Release:	10/07/2015					
Type of Release:	Oil and produced water					
Source of Release:	Lightning strike					
Volume of Release:	1 bbl oil, 125 bbls produced water					
Volume Recovered:	Approximately 1 bbl oil, 125 bbls produced water					

Remediation Specifications							
Remediation Parameters:	Excavate the entire spill area to a depth of 6 inches. Backfill the site with clean soil.						
Remediation Activities:	12/03/2015 to 12/09/2015						

Plan Sent to OCD:	11/22/2015	Email from Cliff Brunson to Jamie Keyes
OCD Approval of Plan:	11/23/2015	Email from Jamie Keyes to Cliff Brunson
Plan Sent to BLM:	11/23/2015	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	11/23/2015	Email from Shelly Tucker to Cliff Brunson

Supporting Documentation						
Initial C-141	Signed 10/21/2015					
Final C-141	Signed 01/11/2016					
Site Diagram	November 2015					
Groundwater Plot	375'					
TOPO Maps	November 2015					
Lab Summary	11/05/					
Lab Analysis	07/15/2015					
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. 01/14/2016 District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

						OPERA'	TOR		Initi	al Report		Final Repo
		COG Operati					bert McNeill			•		
Address: 60	0 West III	inois Avenue	e, Midlan	d TX 79701		Telephone No. 432-230-0077						
Facility Nar	ne: PATT	ERSON B 5	2 FEDER	AL COM #002	Н	Facility Typ	e: Battery		_			***
Surface Ow	ner: Feder	al		Mineral C)wner:	Federal			API No	. 30-025-4	10773	
				LOCA	TIO	N OF REI	LEASE					
Unit Letter A	Section 5	Township 19S	Range 32E	Feet from the 330	North	/South Line North	Feet from the 330		West Line East		Count —Eddy	
				Latitude 32.6	595835	l Longitude	-103.7809525					EN
				NAT	URE	OF RELI	EASE					•
Type of Relea	ed Water	***					125 bbls PW		1 bbls Oil	Recovered:	PW	
Source of Rel Lightning Str	ike					10/7/2015		e:	Date and 10/7/2015	Hour of Dis 5 9:00 pm	scovery:	
Was Immedia	te Notice G		Yes 🔲	No 🔲 Not Re	quired	If YES, To Kellie Jone	Whom? s – NMOCD / Jin	n Amos	-BLM			
	Lupe Carr						our: Thu 10/8/20					
Was a Watero	ourse Reac	hed?	Yes 🛛	No		If YES, Vo	lume Impacting tl	ie Wate	ercourse,			
If a Watercou	ree was Imr				···	<u> </u>						
Describe Caus This release v	se of Proble vas caused	m and Remed by a lightning	lial Action strike. On	Taken.* ce the fire has be	en extin	guished vacu	um trucks were di	spatche	ed to recove	er all standi	ng fluid.	
Describe Area	Affected a	nd Cleanup A	ction Take	n.*								
This release recontamination	mained wit from the re	hin the lined or elease and we	containme will prese	nt. The liner was nt a remediation v	damage work pla	d in the fire. (in to the NMC	Concho will have OCD for approval	the spil prior to	l site sampl any signifi	ed to deline	eate any liation w	possible ork.
regulations all public health of should their of	operators a or the environerations ha nent. In ad	re required to onment. The a ve failed to ac dition, NMOO	report and acceptance lequately i CD accepta	l/or file certain re of a C-141 repor nvestigate and re	lease no t by the mediate	tifications and NMOCD ma contaminatio	cnowledge and und perform correct rked as "Final Re on that pose a three the operator of re	ive acti port" d at to gr	ons for rele oes not relie	ases which eve the oper surface wa	may end rator of l	langer iability an health
Signature:	=4		ijel	la			OIL CONS	ERV	ATION]	DIVISIC	<u>N</u>	
Printed Name: Amanda Trujillo Approved by Environmental Specialist:												
Title: Senior E	nvironment	al Coordinato	r			Approval Date: Expiration Date:						
E-mail Addres	s: <u>atrujillo@</u>	Oconcho.com	ncho.com			Conditions of Approval:			Attached			
Date: Octobe		Phone s If Necessar	: 575-748-	6940								

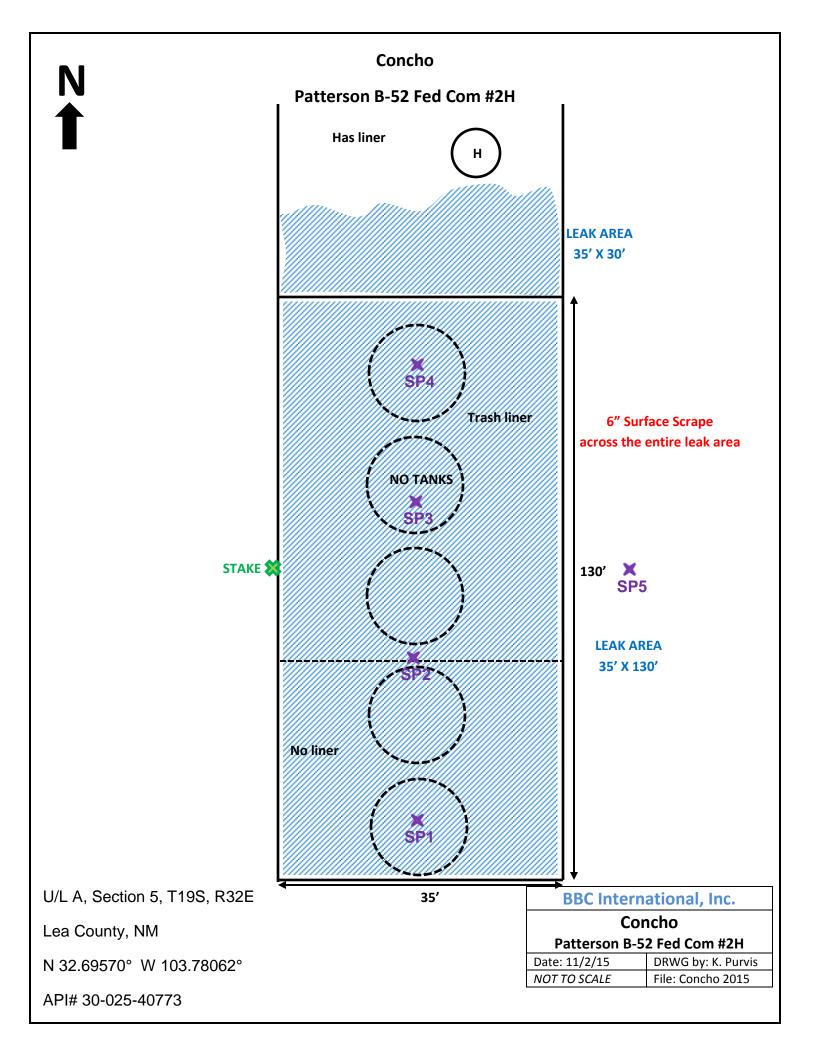
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State of New Mexico Energy Minerals and Natural Resources

Form C-141
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mit 1 Copy to appropriate District Office in

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 Notifi	catio	n and C	orrective A	ection				
		***				OPERA	TOR		Initial	l Report	×	Final Rep
Name of Co	Name of Company: COG Operating Address: 600 West Illinois Avenue, Midland TX 7970						obert McNeill	W. M. C.		7. A		* *************************************
Facility No.	DO West II	inois Avent	ie, Midla	nd TX 79701 RAL COM #00			No. 432-230-00)77				
	·		ZTELE		**************************************	Facility Typ	e: Battery		····	- Farmed Industry		· · · · · · · · · · · · · · · · · · ·
Surface Ow	ner: Fede	ral		Mineral ()wner:	Federal		A	PI No.	30-025-	40773	
				LOCA	ATIO	N OF RE	LEASE					- Pa
Unit Letter	Section	Township					East/West	Line	County	~ \ \ \		
A	5	195	32E	330		North	330	East	- 1.	ua	RNO	
			-	ntitude <u>N 32.6</u>	******************************			**************************************	<u> </u>	Eddy Cou	inty, No	/I
			J.				de <u>W 103.7806</u>	2				
Trees of Bolon		I The to	-	NAT	URE	OF RELI			(LANSiaman and Associated	lane di Alexandria de con		
Type of Relea	isc: Ollanc	i i'roduced wa	itar			Volume of	Release: I bbl of oduced water			covered:		
Source of Rel	ense: Light	ening strike			*****		our of Occurrence	e Dat	orou, t∠ e and He	5 bbls prour of Dis	oduced	water
Was Immedia			**************************************	WW - Sanda Sangara (Margar beauting a state of	10/07/2015	@ 9:00 pm			@ 9:00 p		
was immedia	ia notice o		Yes []	No Not Re	ran invet	If YES, To	Whom? s-NMOCD, Jim A	D! 1.1			,	WWW. Thrombis. Commission of the Commission of t
By Whom? 1	.une Carras		The East of the Control of the Contr	110 juni 1105 (%)	dusse?		ANN 41 11 .		on Title Among any annual Assessment	alkaninga pada kinga paga d	· · · · · · · · · · · · · · · · · · ·	rhermal Feel like design 4. agr. 7 Mag
Was a Woterc	ourse Reac	ted?		Ma landes la colonia de començar a sua consciencia del servicio		If YES. Vo	our: 10/08/2015 (ume impacting th	@ 3140 pm no Watercour	Pics	· · · · · · · · · · · · · · · · · · ·		~~************************************
			Yes 🗵	No		, , , , , , , , , , , , , , , , , , , ,	- maring to	IN THREE COOL	بنه هر			
lf a Watercour	se was Imp	acted, Descrit	c Fully.*	introduce are many property and a second property of the second prop	***************************************	1	· · · · · · · · · · · · · · · · · · ·	TOTAL SERVICE	-	THE THE PERSONNER		CONTRACTOR OF THE PROPERTY OF
Describe Caus This release w					en extin	guished, vacu	um trucks were d	ispatched to	rccover	ali standi	ng fluid	[.
Describe Area	Affected an	d Cleanup Ac	tion Take	11.*	***************************************	100009/////riskustvier-eenvergergergegg		Ward-Market Commence of the Co		district one described		Marina da Japano de Caración d
This release rer	nained with	in the lined e	minimen		vas com of the B	pleted in acco LM via email	rdance with the n on 11/23/2015.	emediation p	dan appi	roved by .	Jamie K	eyes of
ublic health or hould their ope	the enviror rations hav ent. In add	iment. The ac e failed to add ition, NMOC	cport and ceptance quately in D acceptan	or the cenain rea of a C-141 report evestigate and rea	ease not by the l redinter	iffeations and NMOCD mark contembration	nowledge and unc perform correcti ked as "Final Rep that pose a threa he operator of res	ve actions for ort" does not	r release t relieve	s which r	nay end nor of i	langer lability
ignoture: A Lacing							OIL CONSI		4		N	umi de, system um til de j ig <u>elle bede</u>
rinted Name: Amanda Trujillo A				Ar	Approved by Environmental Specialist:							
itle: Environn	nental Coor	dinator	damed (i. da rzeli jewy tagow	CHARLES CHARLES TO THE CONTRACT OF THE CONTRAC	_ At	proval Date:	01/14/2016	Expirati	on Date	///	Continuent (Mineronene	
mail Address:	atrujillo@	(MM)	**1. **			Conditions of Approval: Attached 1 1RP 3958						
tach Addition	nal Sheets	If Necessary	rnone: 5	75-748-6940		>>/45000 (Act of the Act of the A	A COLUMN TO THE PERSON OF THE	No. of the latest of the lates		11\1 JJJ		***************************************



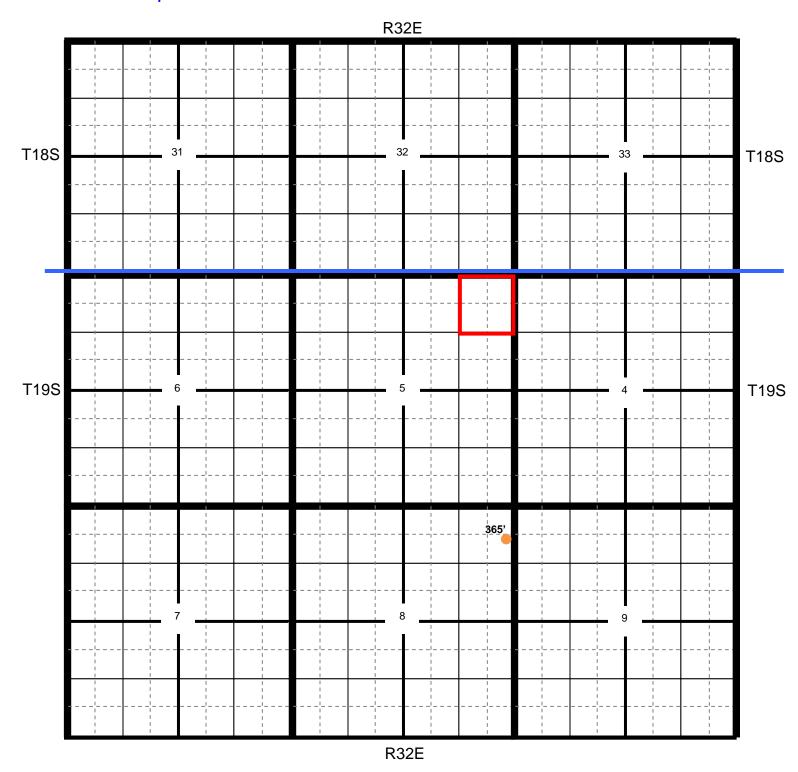


Groundwater Plot

Concho Patterson B-52 Fed Com #2H

CountyUnit LetterSectionTownshipRangeLeaA519S32E

Trend Map 375'



Concho Patterson B-52 Fed Com #2H

CountyUnit LetterSectionTownshipRangeLeaA519S32E

Trend Map 375'

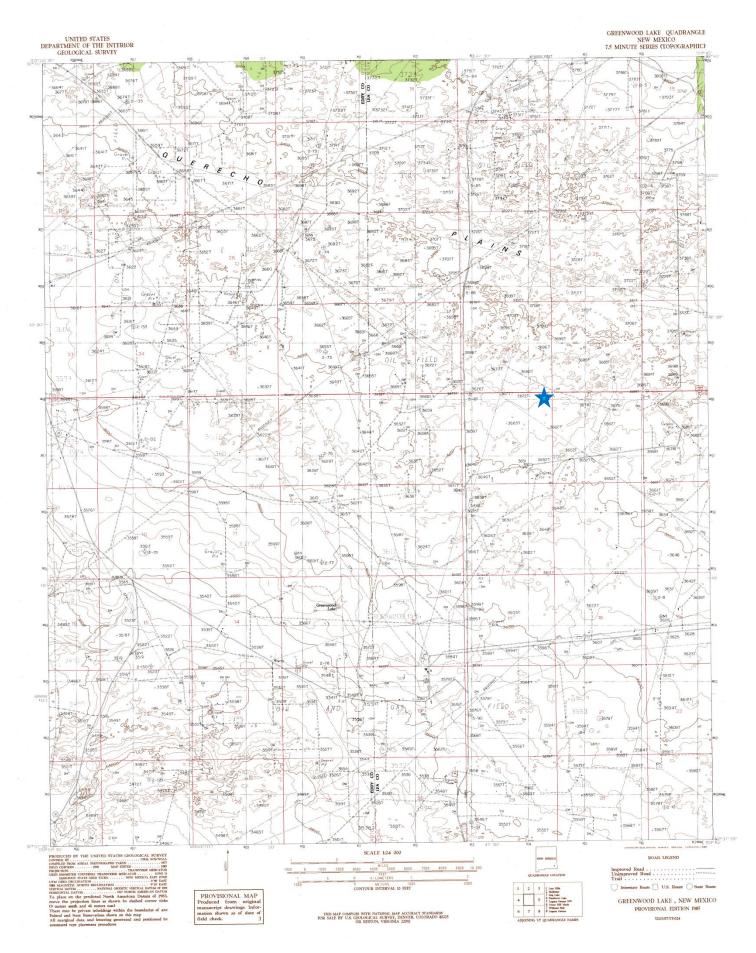
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NW/NW	NE/NW	NW/NE	NE/NE
None found	INE//IN W	IVW/INE	INDAINE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K SE/SW	Unit Letter J	Unit Letter I
SW/SW		SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

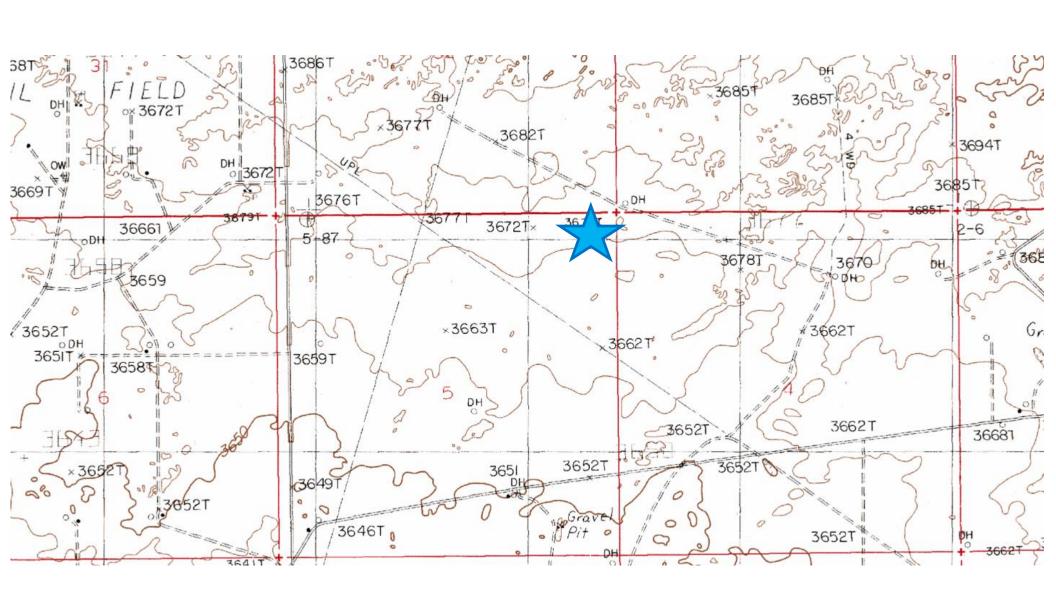
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Concho

Patterson B-52 Fed Com #2H



Concho
Patterson B-52 Fed Com #2H



Laboratory Analytical Results Summary Patterson B-52 Fed Com #2H

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	11/5/15	11/5/15	11/5/15	11/5/15
			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		208	368	176	128
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		116	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	11/5/15	11/5/15	11/5/15	11/5/15
			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		352	304	320	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	11/5/15	11/5/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		<0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
Chloride	SM4500CI-B		320	32
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	10.2

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	11/5/15	11/5/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B		< 0.050	< 0.050
Total Xylenes	BTEX 8021B		< 0.150	<0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
Chloride	SM4500CI-B		176	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		10.8	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	11/5/15	11/5/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		< 0.050	< 0.050
Toluene	BTEX 8021B		< 0.050	< 0.050
Ethylbenzene	BTEX 8021B	1	< 0.050	< 0.050
Total Xylenes	BTEX 8021B		< 0.150	< 0.150
Total BTEX	BTEX 8021B		< 0.300	< 0.300
Chloride	SM4500CI-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0



November 13, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PATTERSON B-52 #2H

Enclosed are the results of analyses for samples received by the laboratory on 11/09/15 9:08.

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: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP1 @ 1 (H502958-01)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.6-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/11/2015	ND	384	96.0	400	8.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	116	10.0	11/10/2015	ND	176	87.9	200	7.82	
Surrogate: 1-Chlorooctane	79.2	% 35-147	7						
Surrogate: 1-Chlorooctadecane	86.5	% 28-171							

Surrogate: 1-Chlorooctadecane 86.5 % 28-171

Cardinal Laboratories *=Accredited Analyte

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



BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: 126

Sample ID: SP1 @ 2 (H502958-02)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	
Surrogate: 1-Chlorooctane	92.5	% 35-147	,						
Surrogate: 1-Chlorooctadecane	98.8	% 28-171							

*=Accredited Analyte Cardinal Laboratories

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP1 @ 3 (H502958-03)

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	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	< 0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	< 0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.6-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	
Surrogate: 1-Chlorooctane	86.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	93.9 9	% 28-171							

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP1 @ 4 (H502958-04)

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	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	< 0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	< 0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	
Surrogate: 1-Chlorooctane	78.4 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	84.4 9	% 28-171							

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Fax To: (575) 397-0397

Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: 126

Sample ID: SP2 @ 1 (H502958-05)

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	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	< 0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	< 0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	
Surrogate: 1-Chlorooctane	93.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	101 9	% 28-171							

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Celey D. Keine



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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: 126

Sample ID: SP2 @ 2 (H502958-06)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	< 0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	< 0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	< 0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/10/2015	ND	184	92.2	200	4.70	
DRO >C10-C28	<10.0	10.0	11/10/2015	ND	176	87.9	200	7.82	
Surrogate: 1-Chlorooctane	88.5	% 35-147	,						
Surrogate: 1-Chlorooctadecane	95.9	% 28-171							

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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact NONE GIVEN Sample Received By: Project Number: Jodi Henson

Project Location: 126

Sample ID: SP2 @ 3 (H502958-07)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	<10.0	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	88.4	% 35-147	7						
Surrogate: 1-Chlorooctadecane	94 5	% 28-171							

Surrogate: 1-Chlorooctadecane 94.5 % 28-171

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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP2 @ 4 (H502958-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	<10.0	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	86.79	% 35-147	,						
Surrogate: 1-Chlorooctadecane	90.69	% 28-171							

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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: 126

Sample ID: SP3 @ 1 (H502958-09)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/11/2015	ND	384	96.0	400	8.00	
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	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	<10.0	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	80.6	% 35-147	,						
G	02.0	0/ 20 171							

83.0 % 28-171 Surrogate: 1-Chlorooctadecane

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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: 126

Sample ID: SP3 @ 2 (H502958-10)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/11/2015	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	10.2	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	89.6	% 35-147	7						
Surrogate: 1-Chloroctadecane	Q5 A	% 28-171	,						

95.4 % Surrogate: 1-Chlorooctadecane 28-171

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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP4 @ 1 (H502958-11)

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	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/11/2015	ND	400	100	400	7.69	
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	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	10.8	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	88.6	% 35-147	,						
Surrogate: 1-Chlorooctadecane	92.8	% 28-171							

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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP4 @ 2 (H502958-12)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9 9	% 73.6-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/11/2015	ND	400	100	400	7.69	
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	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	<10.0	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	91.69	% 35-147	,						
Surrogate: 1-Chlorooctadecane	92.69	% 28-171							

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Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP5 @ 1 (H502958-13)

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	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	< 0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	< 0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/11/2015	ND	400	100	400	7.69	
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	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	<10.0	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	85.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	92.3 9	% 28-171							

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BBC International, Inc.

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

Fax To: (575) 397-0397

Received: 11/09/2015 Sampling Date: 11/05/2015

Reported: 11/13/2015 Sampling Type: Soil

Project Name: PATTERSON B-52 #2H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: 126

Sample ID: SP5 @ 2 (H502958-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	13.7	
Toluene*	<0.050	0.050	11/12/2015	ND	2.27	113	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/12/2015	ND	2.06	103	2.00	10.2	
Total Xylenes*	<0.150	0.150	11/12/2015	ND	6.46	108	6.00	10.1	
Total BTEX	<0.300	0.300	11/12/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/11/2015	ND	400	100	400	7.69	
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	11/11/2015	ND	195	97.7	200	2.61	
DRO >C10-C28	<10.0	10.0	11/11/2015	ND	191	95.7	200	5.87	
Surrogate: 1-Chlorooctane	83.7	% 35-147	,						
Surrogate: 1-Chlorooctadecane	89.8	% 28-171							

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celeg D. Freene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAA (505) 353-2476		
Company Name: BBC International, Inc.	81145	ANALISIS NEGOCO:
Project Manager: Cliff Brunson	P.O. #:	
	Company:	
City: Hobbs State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388 Fax #: 575-397-0397	Address:	
Project #: Project Owner:	City:	
ame: Potterson R-52 #	State: Zip:	
on: /26	Phone #:	
Sampler Name: 1/2 Changes	Fax #:	
111111111111111111111111111111111111111	NX PRESERV. SAMPLING	
RS TER	15.7.	
Lab I.D. Sample I.D. RAB OR (CONTAINE OUNDWARSTEWAT)	UDGE THER: CID/BASE: E / COOL THER:	
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8 50204 611 X	X VSC X	9
10 1000	2 V 1527	X
PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be limited to the amount paid by the client to the epicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the epicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the epicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the epicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the epicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after complete the epicable analyses. All claims including the epicable analyses are caused to the epicable and the e	based in contract or tort, shall be limited to the amount paid by the client for the ade in writing and received by Cardinal within 30 days after completion of the applicable ade in writing and received by Cardinal within 30 days after completion of the policable and the property of the policable of the poli	
service. In no event shall Cardinal be liable for incidental or consequential utanisages, including window incidents or successory arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwise affiliates or successory arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwise. Phone Resul	uch claim is based upon any of the above stated reasons or otherwise. Phone Result: Yes	□ No
Relinquished By: Time: 9:30 Time: 9:30		s □ No Add'l Fax#:
Received E		
Time: 9:08 LICH	2	
y: (Circle One)	Sample Condition CHECKED BY: Cool Intact (Withins)	
Sampler - UPS - Bus - Other: C.42 No	No No No	

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

Page 17 of 18

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	(505) 393-2326 FAX (505) 393-2476	101 East Marland, Hobbs, NM 88240	ARDINAL LABORATORIES
3			

(505) 393-2326 FAX (505) 393-2476	ANALYSIS REQUEST
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: 8
Project #: Project Owner: Con Cho	City:
Project Name: Patherson 3-52 #2H	State: Zip:
on: /26	Phone #:
Sampler Name: Tit On we 2	Fax#:
West Charle	L
RS ATER ER	
CONTAINE GROUNDWAT SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME
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14 56565 CI 1	4 V 338 4 4 4
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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated respectively.	t: Yes No
Time: 8:30	Fax Result:
Rélinquished By: Date:	Menson
0	ndition CHECKED BY: act (hitthis)
Sampler - UPS - Bus - Other: 2.40 Pres Pres Pres	D

Kathy Purvis

From: Keyes, Jamie, EMNRD < Jamie.Keyes@state.nm.us>

Sent: Monday, November 23, 2015 7:29 AM

To: Cliff Brunson

Cc: Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Shelly Tucker; Jones, Kellie,

EMNRD

Subject: RE: COG - Patterson B-52 Fed Com #2H - Remediation Plan

Good morning,

The work plan is approved as is.

Thank you,

Jamie

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

Sent: Sunday, November 22, 2015 4:54 PM **To:** Shelly Tucker; Jones, Kellie, EMNRD

Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: COG - Patterson B-52 Fed Com #2H - Remediation Plan

Shelly and Kellie,

I have attached the remediation materials that we used in our discussions concerning the remediation plan for the COG Patterson B-52 Fed Com #2H. As we all agreed, COG will excavate the entire spill area 6 inches and then backfill and rebuild the site.

If you would please reply via email with your approval and concurrence, it would be greatly appreciated.

If you have any question, please let me know.

Thanks, Cliff

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

Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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Checked by AVG - www.avg.com
Version: 2015.0.6176 / Virus Database: 4460/11052 - Release Date: 11/23/15

Kathy Purvis

From: Tucker, Shelly <stucker@blm.gov>
Sent: Monday, November 23, 2015 8:57 AM

To: Keyes, Jamie, EMNRD

Cc: Cliff Brunson; Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kathy Purvis; Jones, Kellie,

EMNRD

Subject: Re: COG - Patterson B-52 Fed Com #2H - Remediation Plan

Morning..

BLM accepts/approves your work plan as submitted.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist Bureau of Land Management

620 E. Greene St Carlsbad, NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular

stucker@blm.gov



The <u>BLM acceptance/approval does not</u> relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the 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.

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On Mon, Nov 23, 2015 at 7:28 AM, Keyes, Jamie, EMNRD < Jamie. Keyes @ state.nm.us > wrote:
Good morning,
The work plan is approved as is.
Thank you,
Jamie
From: Cliff Brunson [mailto:cbrunson@bbcinternational.com] Sent: Sunday, November 22, 2015 4:54 PM To: Shelly Tucker; Jones, Kellie, EMNRD Cc: Keyes, Jamie, EMNRD; Oberding, Tomas, EMNRD; Robert Grubbs; Ken Swinney; Jennifer Gilkey; Kath Purvis Subject: COG - Patterson B-52 Fed Com #2H - Remediation Plan
Shelly and Kellie,
I have attached the remediation materials that we used in our discussions concerning the remediation plan for the COG Patterson B-52 Fed Com #2H. As we all agreed, COG will excavate the entire spill area 6 inches and then backfill and rebuild the site.
If you would please reply via email with your approval and concurrence, it would be greatly appreciated.
If you have any question, please let me know.
Thanks, Cliff
Cliff P. Brunson, CEI, CRS

President
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