Bratcher, Mike, EMNRD

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

Sent: Friday, December 17, 2010 4:51 PM

To: Bratcher, Mike, EMNRD

Cc: Dusty Wilson; Ken Swinney; Jennifer Gilkey

Subject: Oxy Federal 26-7-Remediation Plan

Attachments: Oxy Federal 26-7.pdf

Mike,

Per our discussion on Dec. 15, 2010 concerning the above referenced site, I have attached the diagram and lab data that we discussed. I have had further discussions with Oxy and Oxy would like to propose an excavation of the impacted area to a depth of 6 to 8 feet as practicable below ground surface. The excavation would then be backfilled with caliche to a depth of 3 feet below ground surface, then a 20 mil plastic liner would be installed and the excavation would then be backfilled to surface with clean native topsoil. The excavated soils would be disposed of at an OCD-approved disposal facility.

I believe this procedure was what you indicated would be acceptable to you. Please respond back via e-mail as soon as possible with your concurrence. If you have any questions, please do not hesitate to contact me.

Sincerely,

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 Blvd.
Hobbs, NM 88240 USA
Phone: (575) 397-6388

Fax: (575) 397-0397
E-mail: cbrunson@bbcinternational.com
Web: www.bbcinternational.com

Confidentiality Notice. This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by collect telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.



PHONE (575) 393-2326 • 101 E: MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR BBC INTERNATIONAL, INC. ATTN: CLIFF BRUNSON P.O. BOX 805 HOBBS, NM 88241 . FAX TO (575) 397-0397

Receiving Date: 03/30/10 Reporting Date: 04/06/10 Project Owner: OXY

Project Name: FEDERAL 26-7 Project Location: HALFWAY, NM Sampling Date: 03/23/10 Sample Type: SOIL

Sample Condition: COOL & INTACT @ -11°C

Sample Received By: JH Analyzed By: AB/ZL/HM

GRO DRO ETHYL LAB NO. SAMPLE ID (C₆-C₁₀)

TOTAL CI*

(>C10-C28) BENZENE TOLUENE BENZENE XYLENES (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE:	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	03/31/10
H19585-1 SP4 @ 1'	1,560	20,800	0.138	0.817	1.64	6.20	5,300
H19585-2 SP4 @ 2'	283	8,210	<0.050	0.434	0.883	3.44	7,500
H19585-3 SP4 @ 3'	<10.0	931	<0.050	0.088	0.415	2.18	9,600
Quality Control	572	564	0.049	0,055	0.056	0.165	510
True Value QC	500	500	0.050	0.050	0.050	0.150	500
% Recovery	114	113	98.0	110	112	110	102
Relative Percent Difference	1.0	11,0	4.6	2.3	2.5	3.4	2.0.

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; CI-: Std. Methods 4500-CI-B *Analyses performed on 1:4 w:v aqueous extracts, Reported on wet weight. TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

H19585 TBCL BBC

PLEASE NOTE; Liability and Damagos. Cardinal's itability and client's exclusive remody for any claim entering, whether based in contract or fort, shall be limited to the amount paid by client for analyses. All cinims, including those for negligence and any other cause whatsoever shall be deemed waked unless meth 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, logs of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors staing out of or related to the portamence of services hereunder by Cardinal, regardless of Whether such claim is based upon any of the above-stated measure or otherwise. Recults relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Leboratorice.

(E)				
A	RDINAL	LABOR	RATOR	IES
	101 East M	larland, Ho	MM, addo	88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	101 East Manand, Ho (606) 393-2328 FAX (-																	/	100	ڙ ا	
Company Name	BBC International,	Inc.				Ĥ.		in B	LLTO						ANALY	/SIS	REC	UES	T			
	: Cliff Brunson					P	.0.#	:									Т					
Address: P.O.	Box 805					C	Omp	any:										Ų		-		
city: Hobbs		State: NM	ΖĮρ	8	8241	A	tin:									- [- [ļ		-	. (
Phone #: 575-:	397-6388	Fax#: 575-	397	- 03	397		ddre	98:	ر رال							ļ	į	[1	. [
Project#:		Project Owner		Q	ن اخ	c	ity:		100								ļ	l		- 1	-	
Project Name:	ederal 26-7				4	3	tate:		Zip: Æ				الج			ı	ı	- 1	•	.		
Project Location	: Helfway, NM					P	hoas	#:					~			- }	Į	į	į	- 1	. (
Sampler Name:						_	ax#:						5			- 1	-	- [ļ	. }	
FOR LAB USE CIVEN					MATRIX	ζ :- ·	PR	ESERV	SAMPL	ING		9	ွ			- 1	- }		.	1	· ,,,	٠. ا
i i	•		S.		<u>K</u>	:	1	1	ļ		~2	0,7	~			- (ļ	l		
Lab I.D.	Sample I.D).	(G)RABIOR (C)	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER	ACID/BASE;	ICE/COOL OTHER:	DATE	TIME	878	CHIONA	TPH									
H19586)	SP1 @ 1'		C		· v'		7	100		9:26 am	1	1	✓					\Box	T			
·Z	SP1 @ 21		Ĉ		· v			V	3-23-10	9:47 am	1	1	1									
	SP1 @ 3'		G	1	V.			v :	3-23-10	10:02 am	/	4	1									
4	SP2 @ 1'		B.	<u> </u>	V			V:		11:15 am	1	1	✓			_			{.			
5	SP2 @ 2' SP2 @ 3'		G	1	10	<u> </u>		ν	3-23-10		✓	V	1			_						
6	SP2 @ 3'		Ģ	1	V			6		11:38 am	1	V	√		 							
	SP3 @ 1'		(s)	1	10	 	\perp			12:21 pm	√	V	₹,						}			
	SP3 @ 2'		Ç.	1		┡	-	<u> </u>		12:37 pm	V	√	V			-						
<u> </u>	SP3 @ 3		ے	1	- 17	┞╌┼╴	╀	V	3-23-10	1:03 pm	✓	4										
analysis Al chies Indution	nd Damages. Debiliners subjety and closed or from the medicenes and any other caus or first be liable for hyperpelian consection in cith of an mixture to the performance of the cith of an mixture to the performance of the cith of an artist of the performance of the cith of a	se who have shall be do and do reger belief no terfore for end by Co Date;	esinisi Victiva Isa Cri	vaive figHa jegen	ef unicou made in refut tion, businese latera pr	ų ordra Lo≤, kas	esked b tel tes,	y Cerebrali or loss of p	within 32 days into celias mour teal by	n completion of the distriction of the con- recess of other was Phones Res	e applicat des suit:	□ Ye			Add' Pl				!			
belle	-	X30110 Time: 1.30	1	4	(M)					Fex Resul		[] Ye	s D	MO	Add'l Fa	X #:			_			

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

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



有		
	ARDINAL LABORATORI	ES
	101 East Marland, Hobbs, NM	88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(505) 393-2326 FAX (1_	c.f	1	
	BBC International,	inc.							13 11 21	LLTO						ANA	LYSIS	RE	QUE	ST			
Project Manage	c Cliff Brunson							₽.⟨	0.#:			Γ^{-}							1				
Address: P.O.	Box 805							Co	mpany:]		l									
city: Hobbs		State: NM	Zip:	88	8241			Atl	tn:			1			1		1.		i				1
Phone #: 575~	397-6388	Fax#: 575-	397	-03	97			Ad	dress:	Λ		1			ļ	İ	1		[
Project#:		Project Owner:		\mathbb{Z}_{2}	ren			Olt	y:	2,]							ĺ	!			
Project Name:					V			Sá	eto:	Zip: 1	<u> </u>	1		i		1			1	,		. 1	
Project Location	: Helfway, NM							Ph	one #;			į		را	1	1			1	-			
Sampler Name:	Joel Clouse							J	х#:				,	80/5	1								
Lab I.D.	Sample I.D).	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	NA TR			ACIDIBASE: 3		TIME	X318	Chlacia	TPHS									
H195651	SP4 @ 1'		3	Ī		Vi			V	3-23-10	1:35 pm	1	1	1		\top						٠,	
-2	SP4 @ 2'				\perp	1/1			.V	3-23-10	, 1:48 pm	1	1	_/								1	
-3	SP4 @ 3'		X 3	1	: - <u>:</u> -	<u> </u>		Ц	1	3-23-10	2:25 pm	1	1	1									
			4	-4	_,_		-	_			ļ	ļ		<u> </u>	 		1		 -				
		——- i		-	<u> </u>			_			 -			<u> </u>	 	-							
l						 	-		┞╌┼╌┼		' -	├		╂	 —	-}			Н				
			\dashv	\dashv	+-	-	<u>:</u>	-	\dashv				_	╂──	 	 	\vdash						
			\neg	-1	+	-	-				 		_	 -	\vdash	\dagger	1-1		1-				
				7	1	1			1			1-		-	1	†	\\					1	
anniyana Alietaima Indusii servina. In na event shall C gillishan arquippesson anti	nd Danseges. Condrote Editify und of unfo ng those for hegiganos and any other caus ardinal be its its for heldente! or conseque no out of or related to the xestormence of a	to ed fini a try sectority as I printed it, as permatalistic	e≕ed Kinoud	walved Kalindi	l urzlesse i on, ibus in	स्थात स्टेबर सर्वेता स्टब्स	itargienoi Littores la	recei ces o	Post by Centruly (use, et loss of p	rithin Abdays of offic Incurred by	ter completion of t y ellent, de eutocide geografie or eine we	presiden edes edes		· · · · ·								·3	
Rollinguished By	<i>y</i> :	Date: 3/30/10	Red	eive	ed By		_				Phone Re Fax Resu		0 Y		No		Phone :	*:					
forgot !		Time: 4.30	11	k fr	2/	Ł	15				REMARK												
1	y: Circle One) - Bus - Other:	Date:	Reg	Elvi C		npte Co	ondin	le on	NAC CHECH	ED, BY:													
				<u> </u>		No	I No		7														

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



RECEIVED 04/06/2010 21:50 CARDINAL LABS





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR BBC INTERNATIONAL, INC. ATTN: CLIFF BRUNSON P.O. BOX 805 HOBBS, NM 88241 FAX TO (575) 397-0397

Receiving Date: 03/30/10 Reporting Date: 04/06/10

Project Owner: OXY

Project Name: FEDERAL 26-7 Project Location: HALFWAY, NM Sampling Date: 03/29/10

Sample Type: SOIL

Sample Condition: COOL & INTACT @ -11°C

Sample Received By: JH Analyzed By: CK/ZL/HM

GRO DRO ETHYL TOTAL CI* (C_6-C_{10}) (>C10-C28) BENZENE TOLUENE BENZENE XYLENES SAMPLE ID LAB NO. (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg) (mg/kg)

ANALYSIS DATE:	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	03/31/10
H19584-1 SP1 @ 6'	86.1	863	<0,050	0.166	0.364	1,01	24,400
H19584-2 SP2 @ 6'	1,360	5,170	0.272	1.09	2.54	6.57	18,400
H19584-3 SP3 @ 6'	637	5,070	0,111	0,527	1.36	5.38	15,400
H19584-4 SP4 @ 6'	63.8	2,080	<0.050	0.113	0.315	0.816	12,000
							
			,				
				- · ·			
Quality Control	559	545	0.049	0.055	0.056	0.165	510
True Value QC	500	500	0.050	0.050	0.050	0.150	500
% Recovery	112	109	98.0	110	112	110	102
Relative Percent Difference	1.1	2.0	4,6	2.3	2.5	3.4	2.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; CI-: Std. Methods 4500-CI-B *Analyses performed on 1:4 w:v aqueous extracts, Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,

AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

H19584 TBCL 8BC



ANALYTICAL RESULTS FOR BBC INTERNATIONAL, INC. ATTN: CLIFF BRUNSON P.O. BOX 805 HOBBS, NM 88241

FAX TO (575) 397-0397

Receiving Date: 03/30/10 Reporting Date: 04/06/10

Project Name: EEDERAL

Project Name: FEDERAL 26-7 Project Location: HALFWAY, NM Sampling Date: 03/29/10 Sample Type: SOIL

Sample Condition: COOL & INTACT @ -11°C

Sample Received By: JH Analyzed By: CK/ZL/HM

		GRO	DRO			ETHYL	TOTAL	
LAB NO.	SAMPLE ID	(C_6-C_{10})	(>C ₁₀ -C ₂₈)	BENZENE:	TOLUENE	BENZENE	XYLENES	Cl*
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
ANALYSIS	S DATE:	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	03/31/10

ANALYSIS DATE:	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	03/31/10
H19584-1 SP1 @ 6'	86.1	863	<0.050	0.166	0.364	1.01	24,400
H19584-2 SP2 @ 6'	1,360	5,170	0.272	1.09	2.54	6.57	18,400
H19584-3 SP3 @ 6'	637	5,070	0.111	0.527	1.36	5.38	15,400
H19584-4 SP4 @ 6'	63.8	2,080	<0.050	0.113	0.315	0.816	12,000
Quality Control	559	545	0.049	0.055	0.056	0.165	510
True Value QC	500	500	0.050	0.050	0.050	0.150	500
% Recovery	112	109	98.0	110	112	110	102
Relative Percent Difference	1.1	2.0	4.6	2.3	2.5	3.4	2.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; CI-: Std. Methods 4500-CI-B *Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.
TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,

AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

Lab Directø

Date

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1051 (505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc. BILL TO **ANALYSIS REQUEST** Project Manager: Cliff Brunson P.O. #: Address: P.O. Box 805 Company: city: Hobbs State: NM Zip: 88241 Attn: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project #: Project Owner: Oxu City: Project Name: Federal 26-7 State: Zip: Project Location: Halfway, NM Phone #: 0 Joel Clouse Sampler Namo: Fax #: Š FOR LAB USE CALLY MATRIX PRESERV. SAMPLING ACID/BASE: ICE / COOL Sample I.D. Lab I.D. OIL SLUDGE OTHER: DATE TIME H195841 SP1@6' 3-29-10 10:02 am --Z SP2 @ 6' 3-29-10 11:37am SP3 @ 6' 3-29-10 12:48 pm ~ 4 SP4 @ 6' 3-29-10 3:15 pm PLEASE NOTE: L'abitry end Damagea. Cardinol's liabitry and otent's acclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cavilinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without imitation, business interruptions, tose of use, or use, or loss of profile incurred by client, its subsidiaries, alfillates or successors grising 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 reasons or otherwise ☐ Yes ☐ No Add'l Phone #: Phone Result: Relinguished By: Fax Result: ☐ Yes ☐ No Add'l Fax #: REMARKS: Relinguished By: Received By: Delivered By: (Circle One) Cool Intact

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

Sampler - UPS - Bus - Other:



April 7, 2010

Cliff Brunson BBC International, Inc. P.O. Box 805 Hobbs, NM 88241

Re: Federal 26-7 (Oxy)

Enclosed are the results of analyses for sample number H19584, received by the laboratory on 03/30/10 at 4:30 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005 Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though 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 524.2 Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D.\Keene Laboratory Director



BBC International, Inc.

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

Fax To:

(505) 397-0397

Received: Reported: 09/08/2010

09/15/2010 FEDERAL 26-7

Project Name: Project Number:

NONE GIVEN

Sampling Date:

09/02/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Project Location:

FLOWLINE LEAK

Sample ID: SB 1 @ 10 FT. (H020807-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7500	2.55	
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 80-120							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM		,			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	09/08/2010	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/14/2010	ND	196	98.1	200	1.07	
DRO >C10-C28	<10.0	10.0	09/14/2010	ND	167	83.6	200	3.54	
Surrogate 1-Chlorooctane	84 1	% 70-130					• • • • • • • • • • • • • • • • • • • •		
Surrogate: 1-Chlorooctadecane	98.1	% 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLE/SE NOTE: Labeley and Damages. Continate liability and cleants exclusive remody for any data arrange, whether based in compact or text, shall be lambted to the amount paid by client for analyses. All claums, including those for negligence and any other clause wherevers shall be decided waterd unless made in writing and recovered by Cardinal within thirty (3D) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential demages, including, without functions, business interruptions, loss of use, or loss of profits incurred by client, its advantances, affiliables or aucressors bring out of or related to the performance of the services hereunder by Cardinal, respectes of whether such datum is based upon any of the above, stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with witten approval of Cardinal Laboratures.



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 09/08/2010

09/15/2010

Project Name: Project Number: FEDERAL 26-7 NONE GIVEN

Project Location:

FLOWLINE LEAK

Sampling Date:

09/02/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

. . . .

Jodi Henson

Sample ID: SB 1 @ 20 FT. (H020807-02)

BTEX 8021B	mg/	kg	Anaiyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7 500	2.55	
Surrogate. 4-Bromofluorobenzene (PIL	103 9	% 80-120							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM	•		<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/08/2010	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/14/2010	ND	196	98.1	200	1.07	
DRO >C10-C28	<10.0	10.0	09/14/2010	ND	167	83.6	200	3.54	
Surrogate. 1-Chlorooctane	81.5	% 70-130	<u>,</u>						
Surrogate, 1-Chiorooctadecane	568 9	% 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Listothy and Damages. Cardinal's labelity and cherch exclusive repressly for any daim arrang, whether based in content or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whethever shall be deemed waveed unless made in writing and recover by Cardinal within thinty. (20) clays after completion of this applicable survice. In no event shall be deemed waveed unless made in writing and recover by Cardinal within thinty. (20) clays after completion of the applicable survice. In no event shall be deemed waveed unless the label for moderated or consequential demanges, including, which, limitation, business interruptions, loss of use, or loss of profits incurred by clarification of whether such claim is based upon any of the shore stated reasons or otherwise. Results relate only to the nameles electrical across the remotioned except in full with written approach of Cardinal Liberatories.

Celey D. Frene



BBC International, Inc.

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

Fax To:

(505) 397-0397

Received: Reported: 09/08/2010

09/15/2010

Project Name: Project Number: FEDERAL 26-7 NONE GIVEN

Project Location:

FLOWLINE LEAK

Sampling Date:

09/02/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB 1 @ 25 FT. (H020807-03)

BTEX 8021B	mg/l	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7500	2.55	
Surrogate 4-Bromofluorobenzene (PIL	106 %	6 80-120							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/08/2010	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07	
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54	
Surrogate: 1-Chlorooctane	79 0 9	6 70-130	·						
Surrogate. 1-Chlorooctadecane	295 %	6 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLESE NOTE: LUBBity and Dumuige. Cardinal's liability and chemic enchance remony for any datim androg, whether based in contract or text, shall be limited on the amount paid by clear for analyses. All claims, including those for negligence and any other cause whatever shall be deemed waveved unless made in writing and methods by Condrain Within thiny (20) days after completion of the applicable service. In no event shall Cardinal be liable for incceptantal damages, including, without sharls information, less of use, or less of purity interns, as subsidiary, as will assume successors analysis of the performance of the services benevoted by Cardinal, regardless or whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratorics.

Celey L. Keine



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

09/08/2010

Reported: Project Name: 09/15/2010 FEDERAL 26-7 NONE GIVEN

Project Number: Project Location:

FLOWLINE LEAK

Sampling Date:

09/02/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB 2 @ 10 FT. (H020807-04)

BTEX 8021B	mg/	kg	Analyze	d By: CK	_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7500	2.55	
Surrogate. 4-Bromofluorobenzene (PIL	101 9	% 80-120							· · · · · · · · · · · · · · · · · · ·
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	09/08/2010	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07	
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54	
Surrogate: 1-Chlorooctane	80.4	% 70-130					***************************************		
Surrogate: 1-Chlorooctadecane	541	% 70-130							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTIS: Labeliny and Darmages. Continal's liability and clients exclusive retinent for any datim arising, whether based in contract or text, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other chase vibrationer smill be deemed winted unlites made in writing and recovered by Continal woun thinty. (30) days, after completion of the applicable service in ne event shall Continal be liable for incidental or consequenced companies. Without the performance of the service in the event shall continue the liable for incidental or consequenced continues. Without the performance of the service in the event shall continue the performance of the service in the event shall be formation to the performance of the service in the event shall be formation to the performance of the service in the event shall be formation to the performance of the service in the event shall be formation to the performance of the service in the event shall be formation to the shall be f

Celey & Keine



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

09/08/2010

Reported:

09/15/2010 FEDERAL 26-7

Project Name: Project Number:

NONE GIVEN

Project Location:

FLOWLINE LEAK

Sampling Date:

09/02/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB 2 @ 15 FT. (H020807-05)

BTEX 8021B	mg/l	kg	Analyze	d By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050 0.050		09/13/2010 ND		2150	85.9	2500	2.16		
Toluene*	<0.050	0.050	09/13/2010	ND	2000	79.9	2500	2.19		
Ethylbenzene*	<0.050	0.050	09/13/2010	ND	2090	83.5	2500	2.15		
Total Xylenes*	<0.150	0.150	09/13/2010	ND	5080	81.1	7500	2.55		
Surrogate: 4-Bromofluorobenzene (PIL	103 %	6 80-120								
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/08/2010	ND	432	108	.400	0.00		
TPH 8015M	mg/l	kg	Analyze	d By: AB				····	S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07		
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54		
Surrogate 1-Chlorooctane	76.2 %	% 70-130								
Surrogate: 1-Chlorooctadecane	475 %	6 70-130								

Cardinal Laboratories

*=Accredited Analyte

PLENE NOTIE: Lability and Durnages. Curdinal's liability and clients enclusive remoty for any clear analysis, whicher based or contract or box, shall be limited to the amount paid by client for analyses. All claims, including those or negligence and any other cause whitehomer shall be deemed wrived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable connot. In no event shall Cardinal be liable for incidence of understanding, without limitation, bisiness interruptions, loss of use, or loss of profits included by client, its subadiances, affiliates or successor bring out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims obsect upon any of the above states reasons or otherwise. Resists relate only to the samples constituted above. This report shall not be reproduced except in full with written approval of Cardinal Libroratories.

Celey D. Keine



BBC International, Inc.

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

Fax To:

(505) 397-0397

Received:

09/08/2010

Reported:

09/15/2010 FEDERAL 26-7

Project Name: Project Number:

NONE GIVEN

Project Location:

FLOWLINE LEAK

Sampling Date:

09/02/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB 2 @ 20 FT. (H020807-06)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/13/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/13/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/13/2010	ND	6080	81.1	7500	2.55	
Surrogate: 4-Bromofluorobenzene (PIL	rrogate: 4-Bromofluorobenzene (PIL 102 % 80-120							,	
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: HM					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/08/2010 ND		432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07	
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	83.6 200		
Surrogate: 1-Chlorooctane	78.4 9	% 70-130					- <u>.</u>		
Surrogate. 1-Chlorooctadecane	446 % 70-130								

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE. Liability and Damages. Cardinal's liability and clerits enclasive remedy for any claim arising, whether based in contract or tort, shall be limited to the arrount paid by client for analyses. All claims, including those for negligence and any other cause whatever shall be desired viewed 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 indetermining or consequential distinguist, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subdistance, afficiates or successors arising out of or related to the performance of the services herounder by Cardinal, regardless of whether such claims absent upon any of the above sold reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approved of Cardinal Laboratories.

Celey D. Keine



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

09/08/2010

Reported: Project Name: 09/15/2010 FEDERAL 26-7

Project Number:

NONE GIVEN

Project Location:

FLOWLINE LEAK

Sampling Date:

09/02/2010

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB 2 @ 25 FT. (H020807-07)

BTEX 8021B	mg/	kg	Analyze	d By: CK		_				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/13/2010	ND	2150	85.9	2500	2.16		
Toluene*	<0.050	0.050	09/13/2010	ND	2000	79.9	2500	2.19		
Ethylbenzene*	<0.050	0.050	09/13/2010	ИD	2090	83.5	2500	2.15		
Total Xylenes*	<0.150	0.150	09/13/2010	ND	6080	81.1	7500	2.55		
Surrogate: 4-Bromofluorobenzene (PIL	103 %	6 80-120			_					
Chlaride, SM4500Cl-B	mg/kg		Analyze	d By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/08/2010	ND	432	108	400	0.00		
TPH 8015M	mg/kg		Analyze	d By: AB					S-04	
Analyte .	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1,07		
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54		
Surrogate. 1-Chlorooctane	81.19	% 70-130		****						
Surrogate: 1-Chlorooctadecane	484 9	6 70-130								

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE. Liability and Carmages. Continuit's liability and client's cocklassive retiredly for any claim amoing, whether based in contract or ton, shall be limited to the amount paid by client for anolyses. All claims, including those for negligence and any other cause utmoscorer shall be deserved waveful unless made as worthing and recovered by Cardinal by Cardinal by Cardinal be fisible for incustomated consequential disruppes, including the contract of the supplicable service. In no every shall Contract be fisible for incustomated in the contract of the services and the contract of the services increased by Cardinal be fisible for incustomated in the contract of the services increased by Cardinal by Cardinal, negarities of whether such claim a based upon any of the above stated resists or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approach of Cardinal Laboratories.



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
_	Chloride by SM4500Cl-6 does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE. Lobbiny and Damages. Cardinal's Sability and client's enclosive remody for any dam ensury, whether based in contract or turt, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whethere exists be deemed waved unless made in writing and restrived by Cardinal within thinty. (30) days, after completion of the syndicistic service. In no oversit shall Cardinal be listed for inodersal or consequential damages, including, whence interfaces interruptions, loss of use, or loss of profits increased by define, as subbaddeness, sifficiates or successions arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such dark in a based upon any of the above stated reasons or otherwise. Results relate only to the amples identified above. This rigorithm that the reproduced energy in full way written approved of Cardinal Laboratoms.

Celuy D. Keine

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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: Phone #: 575-397-6388 Fax #: 575-397-0397 Address: Project Owner: City: 23-11 howline bak Project Name: FCA State: Zip: Project Location: Phone #: Sampler Namo: RH Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING Sample I.D. Lab I.D. TIME DATE 9-2-10 10:24

PLEASE NOTE: Liability one Demograe Cardinal's liability and client a excisance remedy for any quant reading whether based in contract or tort, shad be limited to the amount paid by the chent for the analyses. At adums, including those for negligence and any other cause whatcown is talk his decimal wanted unless made in warding, and received by Co-unital within 30 days after completion of the applicable service. In no event chalf Cardinal to liable for independent executions, enduding without installed. Successes interruptions, less of use, or iso's profit is recorded by chentral by chen

of haples grows among a gold or tabulat to gold or tabulation of the second of the sec											
Relinguished By:	Date: Rece	ived By:	~ *\	Phone Result:	ij Yes	□ No	Add'l Phone #:				
	7-7-10	3/2 / 3/2	,·',	Fax Result:	☐ Yes	D No	Add'l Fax #:				
Course of the same	Time: 00 6	aff Ed		REMARKS:							
Relinguished By:	Date: / Rece	eived By:									
weft On	Times 3(0)	di Meni	1000								
Delivered By: (Circle One)	//	Sample Condition	CHECKED BY:								
Sampler - UPS - Bus - Other:	-10c	Cool Intact Yes Tyes	(fillals)								

#26

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	ompany Name: BBC International, Inc.			BILL TO							ANALYSIS REQUEST										
Project Manage	r: Cliff Brunson				P.O	.#:															
Address: P.O.	Box 805				Company;							1				ļ					
city: Hobbs	State: NM	Zip:	88241		Attn:					1	1		j	1				}			
Phone #: 575-	397-6388 Fax#: 575	-397-0	397		Address:									ļ]	l		1			
Project#:	Project Owner	: 0x	4		City:					ے ا	1	1	ļ		į	[,	ļ	
Project Name:	Project Name: Fed 26-7 Flowline leak				Stat	e:		Zip:]	\ ~			1			ı			:	
, ,					Pho	ne #:	;			1	1/3										
	435 - 4					#:				1	83		1		İ		1				
FOR LAB USE ONLY			1	MATRIX		PRES	ERV.	SAMPL	ING	1	W.	بدا	1		İ		İ	İ			İ
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	GROUNDWATER WASTEWATER	SOIL	OTHER:	ACID/BASE;	OTHER:	DATE	TIME	_70	HOLL	12-70									
H20907-1	SB 7(0) 10 FT	12		<u> </u>		V,	\blacksquare	4-2-10	10:20m		X	X		ļ				ļ			
2	SKI C ADFI	12		/	1	V	, -	<u>9-2-10</u>	10:30an			X_		ļ	ļ	 					
3	3576 33-	2	+	<i>y</i>				4-4.10	10:35AM 2:15pm	-Ş	÷	X,-		 			ļ				
- 3	2200 15 FF	12	1	/		- V	,		31200m	13	₹	Ŷ		<u> </u>			ļi		' 		
6	3876 20F+	1			Ħ	7		10 - C.	2:25pm	1	X'	X	 								.,.,
7	SB 200 25FF	1				V		9-2-10	1:30 pm	文	X	X									
					П	7															
enalyses All claims including service in no event shall C.	nd Demeigae Cardinats bability and client's excusive iemedy for a ig those for negligence and any other cause whatsoever shall be a radinat be liable for incelental or consequental demages, including majout of or related to the performance of services hereunder by C	eemed walv without limit	ved unless mai tation, busines	ie in wrking an s interruptions,	t receive loss of u	d by Ca sa, or lo	rdinal wi ss of pro	thin 30 days aft rits incurred by	er completion of the	n applicat res,	ila										
Relinquished By	v: Date: 9-7-/0	Recei	ved By:		$\overline{\gamma}$)		Phone Re Fax Resul		☐ Ye		No No	Add'i	hone	#:					
Rosello 12 de Time: 00 Vaft El						/	5		REMARKS		<u> </u>	,	110	- Aug I	ил п.						
Relinquished By	Port 3/0 Time: 3/0 (Circle One)	Recei	ved By:	Me ole Condit	N.S.) Ø1	ECKE	ED BY:													
Sampler - UPS	- Bus - Other:	DC		Intact es Pe	5	1		F													

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

世26



September 15, 2010

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 26-7

Enclosed are the results of analyses for samples received by the laboratory on 09/08/10 8:36.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

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

Celey & Keine