							H	IOBBS	SOCD			
District I 1625 N. French District II 1301 W. Grand				State Energy Miner	e oi	f New Mex s and Natura	tico al Resources ()	CT 3	1 2013	Re		Form C-141 ctober 10, 2003
District III			, 			ervation Di				Submit 2 (Copies	to appropriate in accordance
1000 Rio Brazo District IV				1220 Se	out	th St. Franc	cis Dr.	DECI	EIVED	District	ith Rule	e 116 on back
1220 S. St. Fran	ncis Dr., Santa	a Fe, NM 8750:	5	Sant	a F	Fe, NM 875	505	RECI	51 V 550			side of form
			Rel	ease Notificat	tio			ction				
	na Ti	0 P .	7 . 1			OPERA			Initi	al Report	\boxtimes	Final Report
Name of Co Address		Oxy Permia anolind Rd,		MM	-	Contact (Telephone	CJ Summers No. (575) 397	8216				
Facility Na						Facility Typ	and a second sec	-0210			A.C.	
Surface Ow	mer BLM			Mineral Owr	ier				API No).		
Durido o n	LIGT DELATA						EACE		14111			
Unit Letter	Section	Township	Range	A LOW DOWN THE REAL PROPERTY OF THE REAL PROPERTY O		N OF RE	Feet from the	Fast/	West Line	County		
Onic Lotter				r cot nom ne	oru	1/50uur Enie	r cet nom uie	Lasu	West Line			
	3	24S	37E							Lea Co.		
				Latitude	_		ude	-				
TraceCDal	D 1	1	0.1	NATU	RF	OFREL					0111	
Type of Rele	ase Produ	ced water &	Oil			Volume of water and	Release 10 bbl 5 bbls of oil	ls of	Volume I	Recovered	0 bbls	
			nel which	caused tank to spill o	ver	Date and H 08/12/2013	Hour of Occurrenc	e	Date and	Hour of Dise	covery	
Was Immedia	ate Notice G		Yes 🗌	No 🗌 Not Requi	ired	If YES, To Jennifer V	Whom? an Curen, James A	Amos-B	LM and G	eoffrey Lekir	ng-OCI	D
By Whom?							lour 08/13/2013					
Was a Water	course Reach		Yes 🛛	No		If YES, Vo	blume Impacting t	he Wate	ercourse.			
If a Watercou	Irse was Imn					4						
II a Watercot	inse was mip	acted, Deser	loc Fully.									
Describe Cau	ise of Proble	m and Remed	lial Action	n Taken.*								
The fuse on a replaced.	a panel failed	causing a tar	nk to spill	10 bbls of produced	wat	er and 5 bbls of	of oil onto the grou	und. No	o fluids we	re recovered	and the	e fuse was
Describe Are	a Affected a	nd Cleanup A	ction Tak	en.*								
												1
				asture. Remediation ed by Jennifer Van C						in approved l	by Geo	ffrey Leking
I hereby certi	fy that the in	formation giv	ven above	is true and complete	to t	the best of my	knowledge and u	nderstar	nd that purs	uant to NMC)CD ru	les and
				d/or file certain releas								
				e of a C-141 report by investigate and reme								
or the environ	ment. In ad	dition, NMO	CD accep	tance of a C-141 repo								
federal, state,	or local law	s and/or regu	lations.				OIL CONS	EDV	ATION	DIVISIO	N	
0	-	-	\rightarrow				OIL CON	DI		46		
Signature:		Contraction of the local division of the loc	1				Jac	20	way	2410	AAA	X
Printed Name	: Chancey	Summers				Approved by	District Supervise	nviro	onmenta	Specialis	st	0
Title: HES	Specialist						e: -10 31 13		Expiration 1			-
E-mail Addre	ss: Chance	ey.Summers(a)oxy.com			Conditions of	Approval:	_				
10/	28/12									Attached		1
Date: /0/0 Attach Addit	tional Sheet	s If Necesso		ne: (575) 397-8216								
Auguar Augua	ionar Brieet	0 11 14000330	L y									

-

Closure Report

HOBBS OCD

OCT 31 2013

	Site Description	RECEIVE
Site Name:	GH Mattix Federal Battery	
Company:	Oxy Permian Ltd. opproved	mainstration
Legal Description:	Section 3, T24S, R37E Charles Volume	1
County:	Lea County, NM	5
GPS Coordinates:	N 32.24385° W 103.14959°Environmental Specialist	

Release Data

Date of Release:	08/12/2013
Type of Release:	Produced water & oil
Source of Release:	Fuse failure on panel caused tank overflow
Volume of Release:	10 bbls of produced water, 5 bbls of oil
Volume Recovered:	0 bbls

	Remediatio	on Specifications
Remediation Parameters:	Excavate acros backfill the site	s the entire leak site to a depth of 1 foot. Then, with clean soil.
Remediation Activities:	10/18/2013 to 1	0/24/2013
Plan Sent to OCD:	10/02/2013	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	10/03/2013	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	10/03/2013	Email from Cliff Brunson to J. Van Curen
BLM Approval of Plan:	10/06/2013	Email from J. Van Curen to Cliff Brunson

· · · · ·		ocumentat	
U up	porting	ounionua	

Initial C-141	Signed 08/22/2013
Final C-141	Signed 10/28/2013
Site Diagram	August 2013
Groundwater Plot	<100'
TOPO Maps	August 2013
Lab Summary	08/27/2013
Lab Analysis	08/27/2013
Correspondence	Request and approval of remediation plan via email

Request for Closure

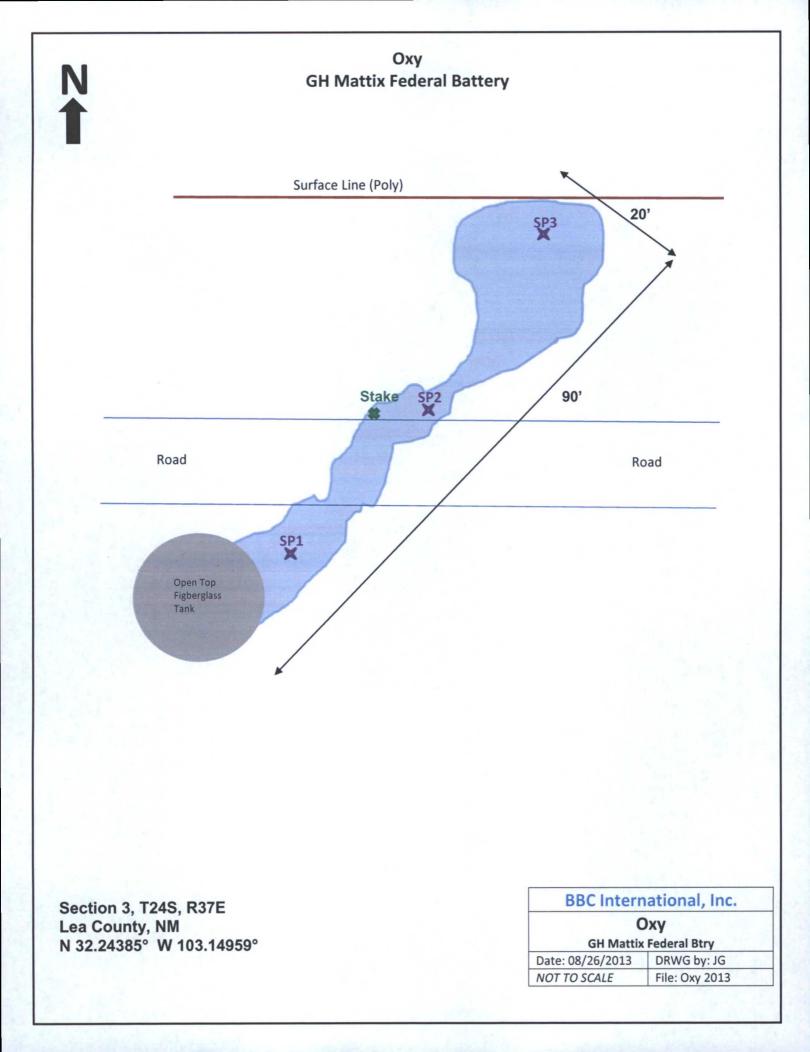
Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

10/28/2013

							HC	BBS OCD	
District I 1625 N. French District II						f New Mex s and Natura	ico Il Resource	T 31 2013	Form C-1 Revised October 10, 2
1301 W. Grand District III)			ervation Div	-		Submit 2 Copies to appropr District Office in accorda
1000 Rio Brazo District IV	s Road, Azte	c, NM 87410				th St. Franc		RECEIVED	District Office in accorda with Rule 116 on b
1220 S. St. Fran	ncis Dr., Sant	a Fe, NM 8750	5			Fe, NM 875		KECLIVED	side of fo
			Rel	ease Notific	catio			ction	
						OPERA'		🛛 Ir	itial Report 🗌 Final Re
		Oxy Permia tanolind Rd,		M		Contact C Telephone N		7 9016	
		lattix Feder				Facility Typ		-0210	the state of the second
Surface Ow				Mineral (Jumar		0	API	No
Surface Ow	Her DLWI							Ari	
TI-th Tetter	Gastian	Taratia	D	LOCA Feet from the		N OF REI		T /31/	
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/West Lin	e County
	3	24S	37E						Lea Co.
				Latitude		Longit	ude	_	
				NAT	URE	OF RELI			
Type of Rele	ase Produ	iced water &	Oil			Volume of	Release 10 bb 5 bbls of oil	ls of Volum	e Recovered 0 bbls
Source of Re	lease Fuse	failure on par	nel which	caused tank to spi	ill over		lour of Occurrence	e Date a	nd Hour of Discovery
Was Immedia	ate Notice C		Yes 🗌	No 🗌 Not Re	equired	If YES, To Jennifer Va		Amos-BLM and	Geoffrey Leking-OCD
By Whom?	Rachael M	IcPherson				Date and H	our 08/13/2013	@ 10:46 am	
Was a Water	course Reac		Yes 🛛	No			lume Impacting		
If a Watercou Describe Cau									
The fuse on a replaced.	panel failed	l causing a ta	nk to spill	10 bbls of produc	ed wat	er and 5 bbls o	f oil onto the gro	und. No fluid w	ere recovered and the fuse was
Describe Are	a Affected a	nd Cleanup A	ction Tak	en *	1				
The areas affe the BLM.	ected are the	e location pad	and the pa	asture. Remediati	on wil	be completed	in accordance wi	th a remediation	plan approved by NMOCD and
regulations al public health should their o	l operators a or the enviro perations ha ment. In ad	are required to conment. The ve failed to a ldtion, NMO	report an acceptanc dequately CD accept	d/or file certain re e of a C-141 report investigate and re	elease r rt by th emedia	notifications an ne NMOCD ma te contaminatio	d perform correc rked as "Final Re on that pose a three	tive actions for i eport" does not i eat to ground wa	eleases which may endanger eleases which may endanger elieve the operator of liability ter, surface water, human health compliance with any other
	(OIL CONS	SERVATIO	N DIVISION
Signature:					-				
Printed Name	: Chance	y Summers		¢.		Approved by I	District Supervise	or:	
Title: HES	Specialist					Approval Date	5:	Expiratio	n Date:
E-mail Addre	ss: Chanc	ey.Summers(Conditions of	Approval:		Attached
Date: 812 Attach Addit	JII D	If Magazza		ne: (575) 397-821	6				
Augult Augult	ional Shee	19 TI TACCCSSS	цу						

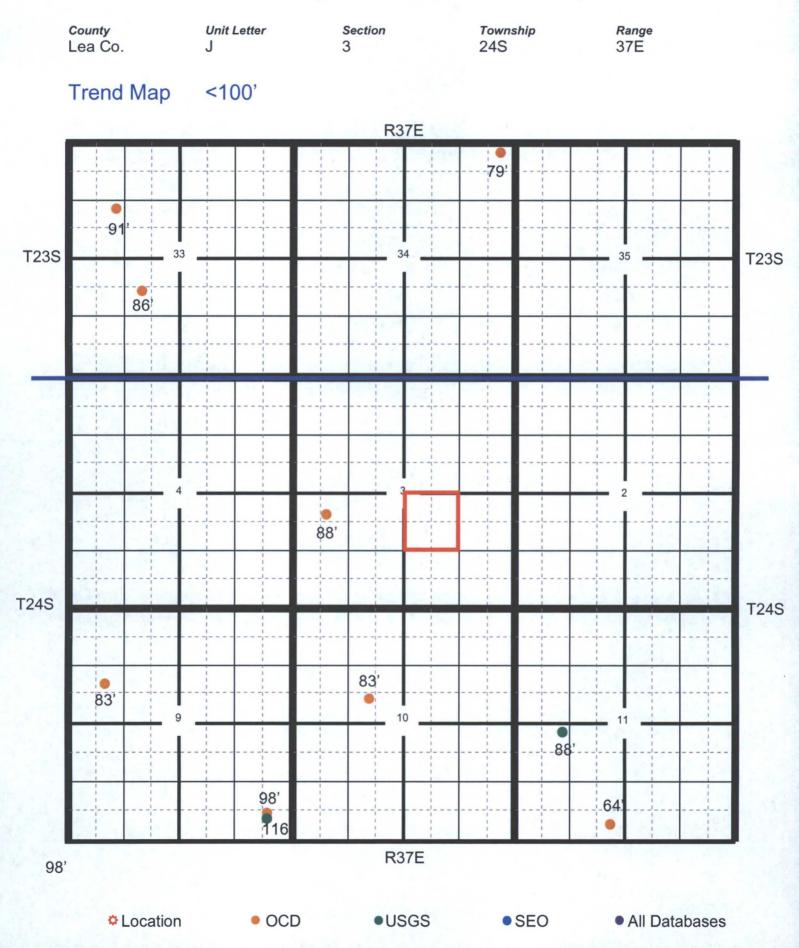
District II Energy Mineral 1301 W. Grand Avenue, Artesia, NM 88240 Oil Cons District III Oil Cons 1000 Rio Brazos Road, Aztec, NM 87410 1220 Sot District IV 1220 Sot 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Release Notificati Name of Company Oxy Permian Ltd. Address 1017 W. Stanolind Rd, Hobbs, NM Facility Name GH Mattix Federal Battery Surface Owner BLM Mineral Owne	servatio uth St. 1 Fe, NM on an OPH Conta Telep Facilit	Natura n Di France A 875 d Co ERA ct Co hone I ty Typ	al Resources vision cis Dr. 505 Drrective A TOR CJ Summers No. (575) 39 De Gathering	Ction	1 2013 EIVED	Re Submit 2 C District wi	vised Oc Copies to Office in th Rule	Form C-141 tober 10, 2003 o appropriate n accordance 116 on back side of form Final Report
Unit Letter Section Township Range Feet from the Nor	rth/South		Feet from the	East/We	st Line	County		
3 24S 37E						Lea Co.		
Latitude	L	ongit	ude		_	Lea Co.		
NATUR								
Type of Release Produced water & Oil			Release 10 bb 5 bbls of oil	ols of V	olume F	Recovered	0 bbls	
Source of Release Fuse failure on panel which caused tank to spill over		and H	lour of Occurren	ce I	Date and	Hour of Disc	covery	
Was Immediate Notice Given? 🛛 Yes 🗌 No 🗌 Not Require	If YI	ES, To	Whom? an Curen, James	Amos-BLN	A and Ge	eoffrey Lekir	ng-OCD	•
By Whom? Rachael McPherson			lour 08/13/2013					
Was a Watercourse Reached?	IfYI	ES, Vo	olume Impacting	the Waterco	ourse.			
If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* The fuse on a panel failed causing a tank to spill 10 bbls of produced wa replaced.	ater and 5	bbls c	of oil onto the gro	ound. No fl	luid were	e recovered a	nd the f	iuse was
Describe Area Affected and Cleanup Action Taken.*								
The areas affected are the location pad and the pasture. Remediation we the BLM.								
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedi or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	the NMO	ons an CD ma ninatio	ad perform correct arked as "Final R on that pose a thr e the operator of	ctive action leport" does eat to groun responsibili	s for rele s not reli- nd water ity for co	eases which reve the opera- , surface wat ompliance with	nay end ator of l er, hum ith any o	anger iability an health
			OIL CON	SERVA	TION	DIVISIO	IN	
Signature:								
Printed Name: Chancey Summers	Approv	ed by	District Supervis	or:				
Title: HES Specialist	Approv	al Date	ð:	Exp	oiration I	Date:		
E-mail Address: Chancey.Summers@oxy.com	Conditio	ons of	Approval:			Attached		
Date: 8/22/13 Phone: (575) 397-8216 Attach Additional Sheets If Necessary					_		_	





Groundwater Plot

Oxy GH Mattix Federal Battery



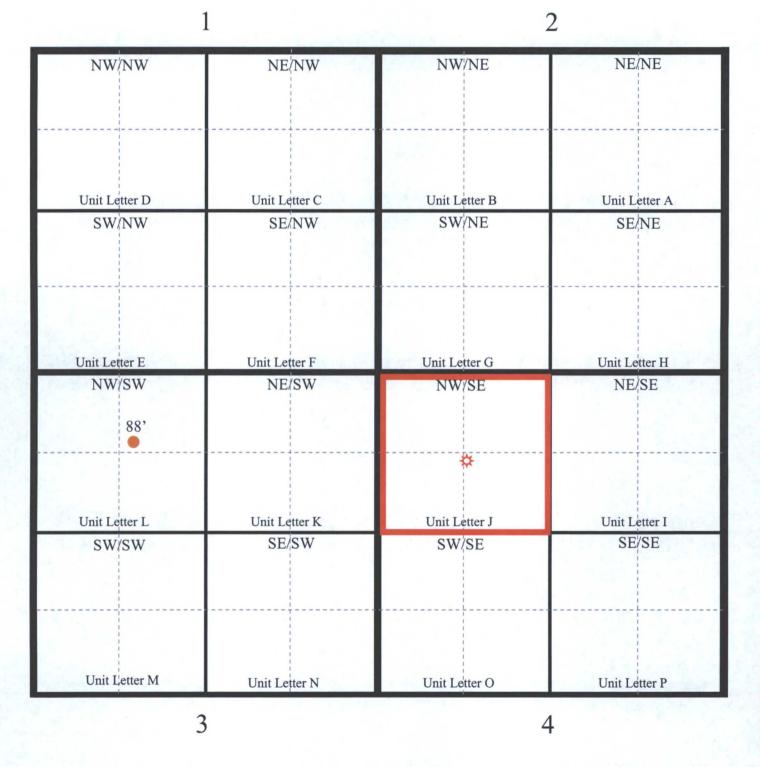


Section Quarters

Oxy GH Mattix Federal Btry

County	Unit Letter	Section	Township	Range
Lea Co.	J	3	24S	37E

Trend Map <100'

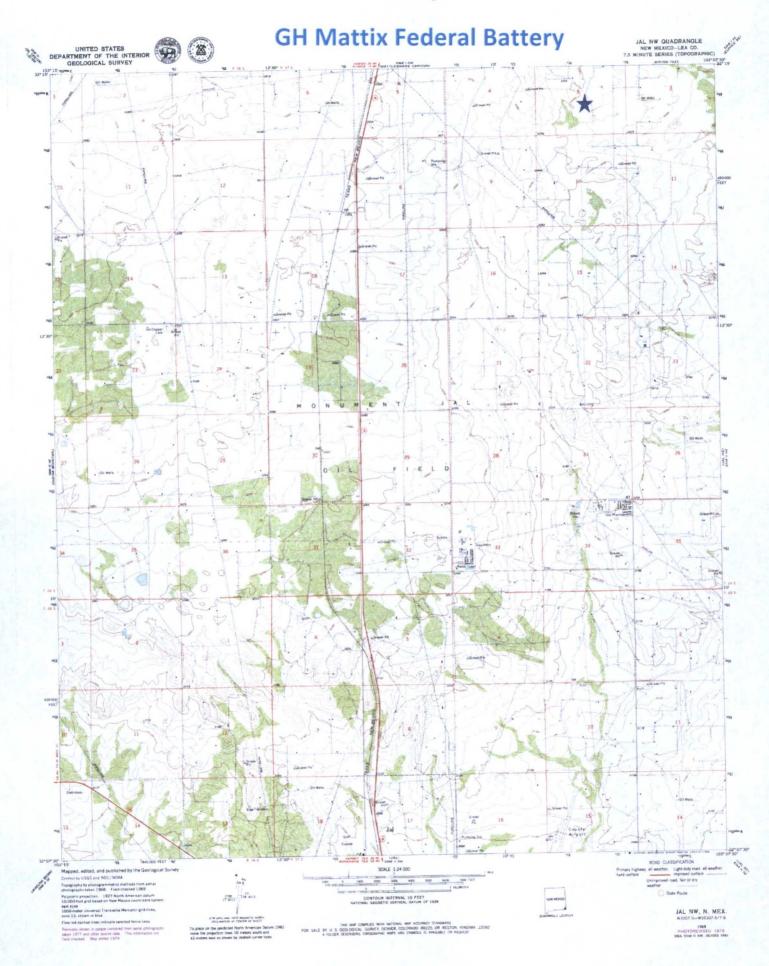


Location

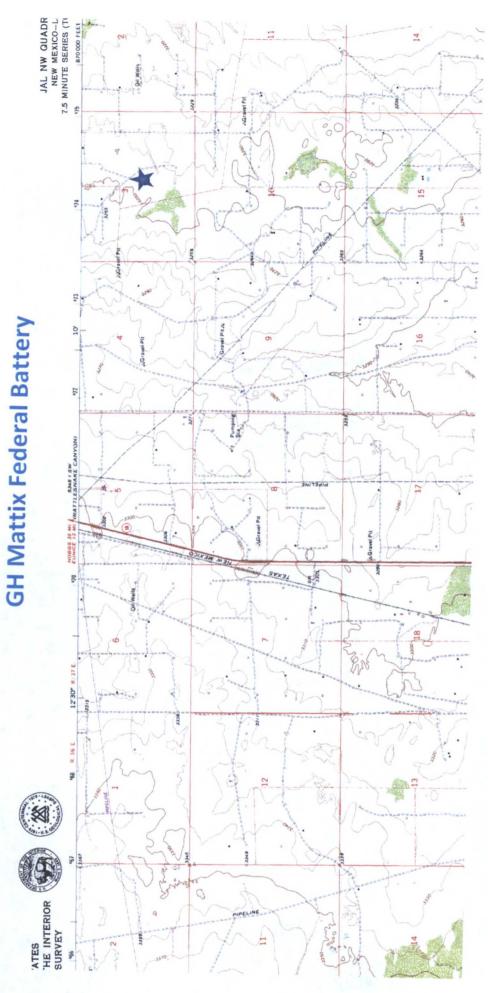
OCD

USGS

Оху







Oxy

Laboratory Analytical Results Summary GH Mattix Federal Battery

		Sample	SP1@1	SP1 @ 2'	SP1 @ 3'	SP1 @ 4
Analyte	Method	Date	8/27/13	8/27/13	8/27/13	8/27/13
			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		1220	144	80	<16.0
GRO	TPH 8015M		<10.0	<200	<10.0	<10.0
DRO	TPH 8015M		10.2	557	376	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	8/27/13	8/27/13	8/27/13	8/27/13
H.N.J.			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	100 m	1040	144	80	<16.0
GRO	TPH 8015M		<10.0	<100	<50.0	<10.0
DRO	TPH 8015M		39	416	192	<10.0

						0.0.
		Sample	SP3@1	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	8/27/13	8/27/13	8/27/13	8/27/13
			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		800	144	160	<16.0
GRO	TPH 8015M		<50.0	<50.0	<50.0	<10.0
DRO	TPH 8015M		<50.0	407	344	<10.0



September 04, 2013

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

RE: GH MATTIX FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/13 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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,

Celeg D. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H302075-01)

BTEX 8260B	mg,	/kg	Analyze	d By: CK			1.1.1.1.1.1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103	61.3-14	2						
Surrogate: Toluene-d8	99.5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	65.7-14	1						
Chloride, SM4500CI-B	mg	kg	Analyze	d By: AP				11	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg	kg	Analyze	d By: AR/	1		1. 1. 1.	5	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.0	200	3.28	
DR0 >C10-C28	10.2	10.0	09/02/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	89.7	65.2-14	0						1
Surrogate: 1-Chlorooctadecane	94.0	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013	
Reported:	09/04/2013	Sampling Type:	Soil	
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact	
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson	
Project Location:	NOT GIVEN			

Sample ID: SP 1 @ 2' (H302075-02)

BTEX 8260B	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	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	< 0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	102	% 61.3-14	2						
Surrogate: Toluene-d8	101	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107	65.7-14	1						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP			1.16	10.0	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: AR/			1.1.1	1.1.8	S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	09/01/2013	ND	192	96.0	200	3.28	
DRO >C10-C28	557	200	09/01/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	64.2	% 65.2-14	0				1.7	5	
Surrogate: 1-Chlorooctadecane	129	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 3' (H302075-03)

BTEX 8260B	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	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	<0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	99.8	% 61.3-14	2						
Surrogate: Toluene-d8	99.6	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP			1.1	1.50	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AR/			1.3	2.2	5. 1.5
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.0	200	3.28	
DRO >C10-C28	376	10.0	09/02/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	112	65.2-14	0				1		8
Surrogate: 1-Chlorooctadecane	114	63.6-15	1						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 4' (H302075-04)

BTEX 8260B	mg,	/kg	Analyze	d By: CK			15 -	- Secolar	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				1.	16.3
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AR/			Carlos Carlos		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/01/2013	ND	192	96.0	200	3.28	
DRO >C10-C28	<10.0	10.0	09/01/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	98.8	% 65.2-14	0				20	5	
Surrogate: 1-Chlorooctadecane	103	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H302075-05)

BTEX 8260B	mg	/kg	Analyze	d By: CK			1.1.1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	<0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	< 0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	102	% 61.3-14	12						
Surrogate: Toluene-d8	99.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP				1.1.1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AR/			a star		12.5
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.0	200	3.28	
DR0 >C10-C28	39.0	10.0	09/02/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	98.2	% 65.2-14	0				17	1	
Surrogate: 1-Chlorooctadecane	107	63.6-15	4						

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Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H302075-06)

BTEX 8260B	mg,	/kg	Analyze	d By: CK			1.		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	99.6	% 61.3-14	2						
Surrogate: Toluene-d8	98.9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			1 de las	1 3 × 1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AR/			1.1.1		1 Marile
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	416	100	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	76.5	% 65.2-14	0					12.35	
Surrogate: 1-Chlorooctadecane	133	63.6-15	4						

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Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H302075-07)

BTEX 8260B	mg	kg	Analyze	ed By: CK			6.0	tion in	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	1						
Chloride, SM4500CI-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	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: AR/			tradition of the	100	3.8
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	192	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	85.3	% 65.2-14	0					1.1.1	
Surrogate: 1-Chlorooctadecane	114 5	63.6-15	4						

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Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 4' (H302075-08)

BTEX 8260B	mg	/kg	Analyze	d By: CK			1.00	100	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	100 5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 9	65.7-14	1						
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	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: AR/			Sec. 1	1.8.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	<10.0	10.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	88.3	% 65.2-14	0						3.40%
Surrogate: 1-Chlorooctadecane	90.1	% 63.6-15	4						

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Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H302075-09)

BTEX 8260B	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	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	101	% 61.3-14	2						
Surrogate: Toluene-d8	101	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	% 65.7-14	1						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP				11.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	<50.0	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	88.9	% 65.2-14	0					1.10	
Surrogate: 1-Chlorooctadecane	99.3	% 63.6-15	4						

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Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H302075-10)

BTEX 8260B	mg/	kg	Analyze	ed By: CK			A March		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	<0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	<0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	105 %	61.3-14	2						
Surrogate: Toluene-d8	99.7 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	106 %	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			and the	T T	243
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/			25.0	(
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	407	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	88.7 9	65.2-14	0				547	241	
Surrogate: 1-Chlorooctadecane	134 %	63.6-15	4						

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Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 3' (H302075-11)

BTEX 8260B	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	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	< 0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	102 9	61.3-14	2					2	
Surrogate: Toluene-d8	100 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			- 11 A.	110	1.1.1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/			1.5.10	1 K	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	344	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	87.5	65.2-14	0					18. 18	5.2
Surrogate: 1-Chlorooctadecane	124 9	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 4' (H302075-12)

BTEX 8260B	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	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	104 9	61.3-14	2						
Surrogate: Toluene-d8	102 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			1.18.00	Si h	1.11
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/			S. And M.	1	and the second
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	<10.0	10.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	96.5	65.2-14	0				11 12		
Surrogate: 1-Chlorooctadecane	98.6	63.6-15	4						

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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 SM4500CI-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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Page 14 of 16

		P.O. #		
Address: IT.U. BOX OUD City: Hobbs State: NM	Zin: 88241	Company: Attn:		
5-397-6388 Fax #:	5-397-	Address: SAME		
Project O	er: DXU	City:		
ame: GH MATTIN	E	State: Zip:		
on:		Phone #:		
Sampler Name: Docto HERMUNDEZ	62	Fax #:	ne	
	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.	B OR (C)OM ITAINERS INDWATER EWATER	R : BASE: COOL	HLON TP/ BTZ	
H3020TE	# CO GRO WAS SOIL	ICE / OTHE DATE	TIME	
1501e11		V 8-21-13 1	1015 440	
2 1 2	0	1 8-12-8 1	1033 0 00	
5 5	10	1 0.17.9	100 0 LhO	
1 6 6 4 2	0	V 8.77.12	120 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•
1	2	0 877.1	7.30 / 41	
1 3'	610	8.4.8 0	10 1 1	
	0	18.22.8 1	25 1 1 1	
10 2020 1	10	5417.2 1	100 1 1 1	
shall	alm arising whether base ed waived unless made	 shall be limited to the amound the by Cardinal within 30 day 	int paid by the client for the ys after completion of the applicable	
dinal be liable for incidental or consequental damages, out of or related to the performance of services hareun	including without limitation, business interruption ider by Cardinal, regardless of whether such date	ions, loss of use, or loss of profits incurred by client, its subeidiaries, Jaim is based upon any of the above stated reasons or otherwise.		
Relinquished By:	Brephived By:	HALDAN REAL	Phone Result:	Add'l Phone #: Add'l Fax #:
Relinquished By: Date: Time:	Received By:			
Delivered By: (Circle One)	Sample Condition	dition CHECKED BY:		

Page 15 of 16

1

Project Manager: (Cliff Brunson		P.O. #		
city: Hobbs	State: NM	Zip: 88241	Attn:	1	
Phone #: 575-397-6388	Fax #:	O	Address: SAME		
Project #:	Project O	INF: DXU	City:		
Project Name:	GH MATTIX FED	D BATT	State: Zip:		
Project Location:			Phone #:		
Sampler Name:	ROGER HERNZNDEZ	DEZ	Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING		
Lab I.D.	Sample I.D.	RAB OR (C)OMI ONTAINERS OUNDWATER STEWATER L	HER : D/BASE: / COOL HER :	CHLON TPH BTE	
CIONOCH	1 0 V 0 V	#0 GF W/ S0	A C D DATE		
		C 1 1	L C7 C1 J. 2. J. 2		
7.1	4.	-	1 2.2.3 30		
PLEASE NOTE: Liability and Damages. Ca analyses. All claims including those for neg pervice. In no event shall Cardinal be liable	ages, Ca e for negl be liable	for any claim arising whether based in contrac be deemed waived unless made in writing ar ding without limitation, business interruptions.	t paid by after co by client	n for the of the applicable admites,	
Relinquished By:	51.62-An	Received By:	2 11 A 1021A Phone Result: Fax Result: REMARKS:	Result:	
Relinquished By:	O 15:41	Beceived By:	(
Delivered By: (Circle One) Sampler - UPS - Bus - Other	(Circle One) Bus - Other:	4.6 2 Sample Condition	Inflant	*	

Kathy Purvis

Leking, Geoffrey R, EMNRD <geoffreyr.leking@state.nm.us></geoffreyr.leking@state.nm.us>
Thursday, October 03, 2013 2:12 PM
Cliff P. Brunson
C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
RE: OXY-GH Mattix Federal Battery-Remediation Plan

Cliff

RE: OXY-GH Mattix Federal Battery-Remediation Plan

The remediation plan is approved as discussed at the September 25, 2013 meeting as detailed in your email below.

Please include all attachments to the email below in your closure report. Thank you.

Geoffrey Leking Environmental Specialist NMOCD-Hobbs 1625 N. French Drive Hobbs, NM 88240 Office: (575) 393-6161 Ext. 113 Cell: (575) 399-2990 email: geoffreyr.leking@state.nm.us

From: Cliff P. Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Wednesday, October 02, 2013 3:27 PM
To: Leking, Geoffrey R, EMNRD
Cc: C J Summers; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: OXY-GH Mattix Federal Battery-Remediation Plan

Geoff,

This message is to confirm our discussion on September 25, 2013 concerning the remediation plan for the Oxy GH Mattix Federal Battery site. I have attached the site diagram and lab data summary table that we used in our discussion. As mutually agreed, Oy will excavate to a depth of 1 foot across the entire leak area as shown on the diagram. The site will then be backfilled with clean soil.

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

Thanks, Cliff

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

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Kathy Purvis

From:Van Curen, Jennifer <jvancure@blm.gov>Sent:Sunday, October 06, 2013 8:08 PMTo:Cliff P. BrunsonCc:C J Summers; Ken Swinney; Jennifer Gilkey; Kathy PurvisSubject:Re: OXY-GH Mattix Federal Battery-Remediation Plan

Cliff,

You are good to go.

JENNIFER E VAN CUREN ENVIRONMENTAL PROTECTION SPECIALIST DOI-BLM-CARLSBAD FIELD OFFICE 320 E GREENE ST. CARLSBAD, NM 88220 OFFICE- 575-234-5905 CELL - 575-361-0042 FAX - 575-234-5927

On Thu, Oct 3, 2013 at 10:39 AM, Cliff P. Brunson <<u>cbrunson@bbcinternational.com</u>> wrote: Jennifer,

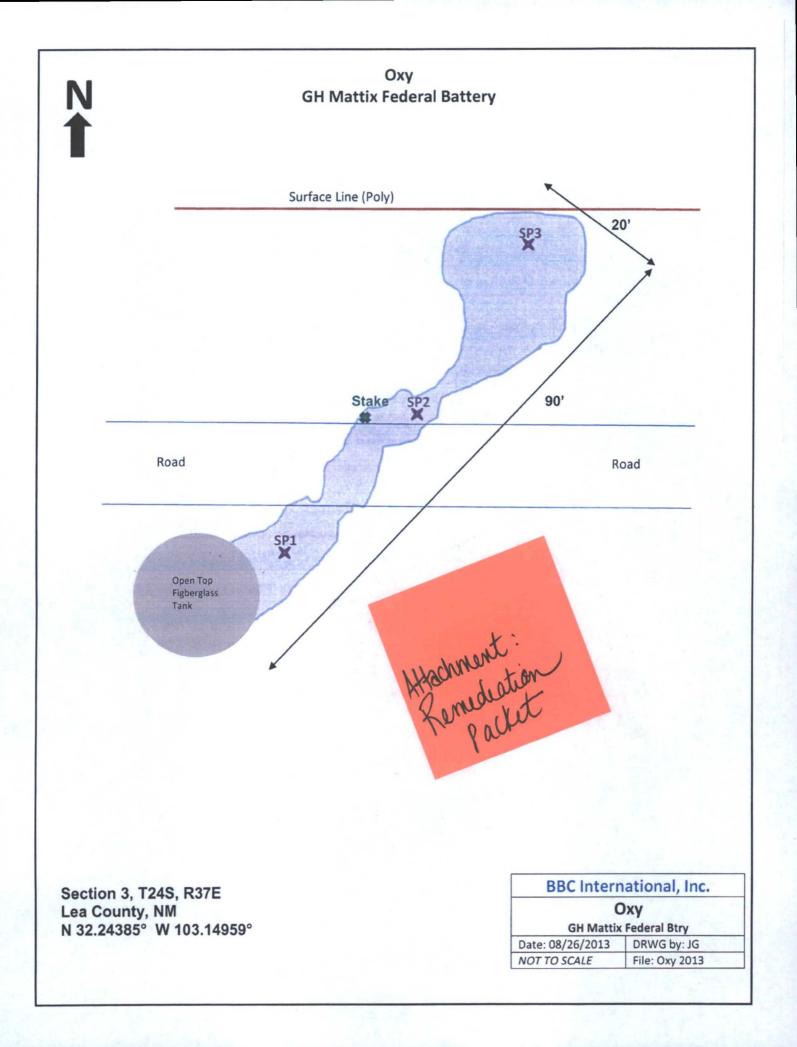
This e-mail is to request the BLM's approval for the following remediation plan for the above referenced site. I have attached the materials that pertain to the site and the plan. This plan has already been approved by Geoffrey Leking of the NMOCD. Oxy will excavate to a depth of 1 foot across the entire leak area as shown on the diagram. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us 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) 397-6387 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com

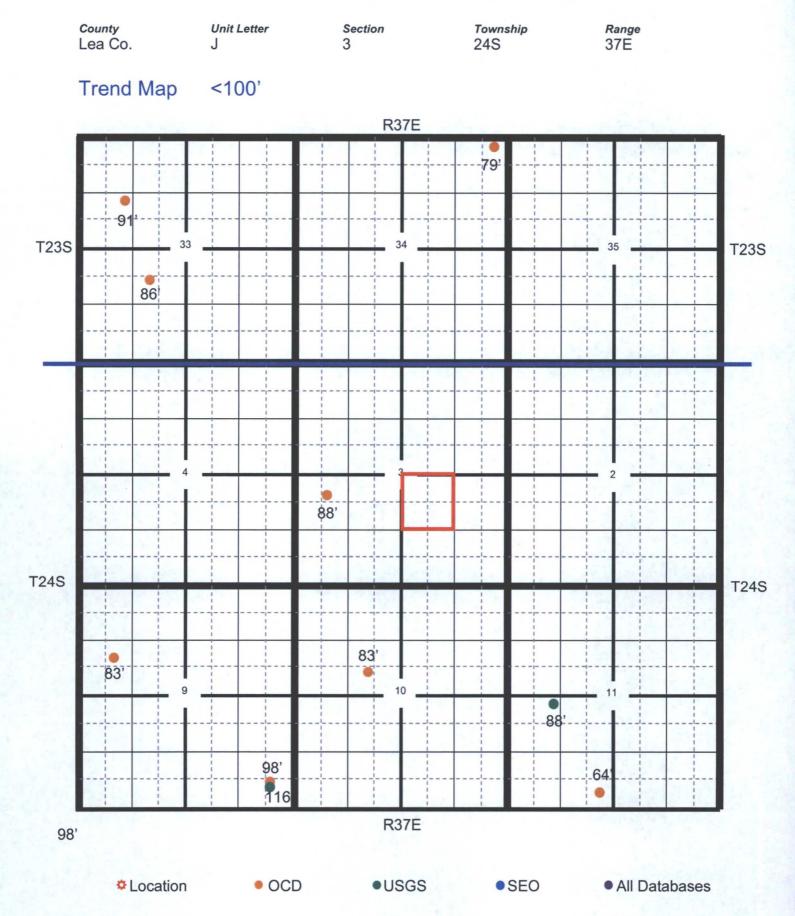
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Groundwater Plot

Oxy GH Mattix Federal Battery





Section Quarters

Oxy GH Mattix Federal Btry

<i>County</i> Lea Co.	Unit Letter Section J 3	Township 24S	Range 37E
Trend Map	<100'		
	1		2
NW/NW	NE/NW	NW/NE	NE/NE
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 88'	NE/SW	NW/SE	NE/SE
•		*	
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

Location

OCD

• USGS

All Databases

Laboratory Analytical Results Summary GH Mattix Federal Battery

		Sample	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	8/27/13	8/27/13	8/27/13	8/27/13
			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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<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		1220	144	80	<16.0
GRO	TPH 8015M		<10.0	<200	<10.0	<10.0
DRO	TPH 8015M		10.2	557	376	<10.0
			Concession of the Party of the	The second	COLUMN TO LO DE LA	

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
Analyte	Method	Date	8/27/13	8/27/13	8/27/13	8/27/13
			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		1040	144	80	<16.0
GRO	TPH 8015M		<10.0	<100	<50.0	<10.0
DRO	TPH 8015M		39	416	192	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
Analyte	Method	Date	8/27/13	8/27/13	8/27/13	8/27/13
			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		800	144	160	<16.0
GRO	TPH 8015M		<50.0	<50.0	<50.0	<10.0
DRO	TPH 8015M		<50.0	407	344	<10.0



September 04, 2013

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

RE: GH MATTIX FED BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/13 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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/qa/lab accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H302075-01)

BTEX 8260B	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	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	99.5	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			1.1.1	÷	1.00
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AR/			Sec. Sec.	10.7	13.13
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.0	200	3.28	
DR0 >C10-C28	10.2	10.0	09/02/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	89.7	% 65.2-14	0				1. 2. 5.		
Surrogate: 1-Chlorooctadecane	94.0	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H302075-02)

BTEX 8260B	mg/	kg	Analyze	ed By: CK				3.5	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	102 %	61.3-14.	2						
Surrogate: Toluene-d8	101 %	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	107 %	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/			1 34	1.1	S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	09/01/2013	ND	192	96.0	200	3.28	
DRO >C10-C28	557	200	09/01/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	64.2 %	65.2-140	0					12.2	
Surrogate: 1-Chlorooctadecane	129 %	63.6-15-	4						

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*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 3' (H302075-03)

BTEX 8260B	mg,	/kg	Analyze	d By: CK				2	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	99.8	% 61.3-14	2						
Surrogate: Toluene-d8	99.6	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			and the		1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AR/				1	(
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.0	200	3.28	
DRO >C10-C28	376	10.0	09/02/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	112	65.2-14	0				1	5-14-	
Surrogate: 1-Chlorooctadecane	114	63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 4' (H302075-04)

BTEX 8260B	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	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	<0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	<0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	< 0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103	% 61.3-14	2						
Surrogate: Toluene-d8	101	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105	65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP			N		in the
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: AR/			Par La Car	1.0	1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/01/2013	ND	192	96.0	200	3.28	
DRO >C10-C28	<10.0	10.0	09/01/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	98.8	% 65.2-14	0					1.1	1100
Surrogate: 1-Chlorooctadecane	103	63.6-15	4						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H302075-05)

BTEX 8260B	mg,	/kg	Analyze	ed By: CK				die e	1.1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	102	61.3-14	2						
Surrogate: Toluene-d8	99.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					1.192
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/					10. 2.2
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.0	200	3.28	
DRO >C10-C28	39.0	10.0	09/02/2013	ND	187	93.5	200	2.26	
Surrogate: 1-Chlorooctane	98.2	% 65.2-14	0					1.1	a 14 ye
Surrogate: 1-Chlorooctadecane	107 9	63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H302075-06)

BTEX 8260B	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	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	<0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	<0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	99.6	% 61.3-14	2						
Surrogate: Toluene-d8	98.9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			and the second	Same	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/	1			Sec.	Se in.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	416	100	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	76.5 9	65.2-14	0				1.10	0.14	
Surrogate: 1-Chlorooctadecane	133 9	6 63.6-15	4						

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*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

08/28/2013	Sampling Date:	08/27/2013
09/04/2013	Sampling Type:	Soil
GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
NONE GIVEN	Sample Received By:	Jodi Henson
NOT GIVEN		
	09/04/2013 GH MATTIX FED BATTERY NONE GIVEN	09/04/2013Sampling Type:GH MATTIX FED BATTERYSampling Condition:NONE GIVENSample Received By:

Sample ID: SP 2 @ 3' (H302075-07)

BTEX 8260B	mg/	kg	Analyze	ed By: CK			and the second		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.31	116	2.00	1.37	
Toluene*	< 0.050	0.050	08/30/2013	ND	2.21	111	2.00	1.96	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	2.11	106	2.00	3.06	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	6.33	106	6.00	1.84	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103 9	61.3-14	2						
Surrogate: Toluene-d8	100 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	103 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					1.1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/			2.57	1	1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	192	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	85.3	65.2-14	0					8	1.1.1
Surrogate: 1-Chlorooctadecane	114 %	63.6-15	4						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 4' (H302075-08)

BTEX 8260B	mg/	kg	Analyze	d By: CK			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	103 9	61.3-14	2						
Surrogate: Toluene-d8	100 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	102 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					1.1.1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/					S
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	<10.0	10.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	88.3	65.2-14	0					1.1	
Surrogate: 1-Chlorooctadecane	90.1	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H302075-09)

BTEX 8260B	mg/	kg	Analyze	ed By: CK	-			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	< 0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	101 9	61.3-14	2						
Surrogate: Toluene-d8	101 9	71.3-12	9						
Surrogate: 4-Bromofluorobenzene	105 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/				190	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	<50.0	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	88.9	65.2-14	0				and the set		
Surrogate: 1-Chlorooctadecane	99.3	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H302075-10)

BTEX 8260B	mg/	/kg	Analyze	d By: CK			Sec. Conten		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	105 9	61.3-14	2						
Surrogate: Toluene-d8	99.7	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	106 9	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			1.10	10.12	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/					11-11-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	407	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	88.7	% 65.2-14	0				12		12.5
Surrogate: 1-Chlorooctadecane	134 9	63.6-15-	4						

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Celey D. Keene, Lab Director/Quality Manager

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BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	08/28/2013	Sampling Date:	08/27/2013
Reported:	09/04/2013	Sampling Type:	Soil
Project Name:	GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 3' (H302075-11)

BTEX 8260B	mg/	kg	Analyze	d By: CK	1			1.1	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	<0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	102 %	61.3-14	2						
Surrogate: Toluene-d8	100 %	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 %	65.7-14	1						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					136.4
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	344	50.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	87.5 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	124 %	63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

08/28/2013	Sampling Date:	08/27/2013
09/04/2013	Sampling Type:	Soil
GH MATTIX FED BATTERY	Sampling Condition:	Cool & Intact
NONE GIVEN	Sample Received By:	Jodi Henson
NOT GIVEN		
	09/04/2013 GH MATTIX FED BATTERY NONE GIVEN	09/04/2013Sampling Type:GH MATTIX FED BATTERYSampling Condition:NONE GIVENSample Received By:

Sample ID: SP 3 @ 4' (H302075-12)

BTEX 8260B	mg/	kg	Analyze	d By: CK					6
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/30/2013	ND	2.07	104	2.00	3.29	
Toluene*	< 0.050	0.050	08/30/2013	ND	1.97	98.7	2.00	3.00	
Ethylbenzene*	< 0.050	0.050	08/30/2013	ND	1.87	93.5	2.00	2.92	
Total Xylenes*	<0.150	0.150	08/30/2013	ND	5.61	93.5	6.00	2.55	
Total BTEX	<0.300	0.300	08/30/2013	ND					
Surrogate: Dibromofluoromethane	104%	61.3-14.	2						
Surrogate: Toluene-d8	102 %	6 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	104 %	65.7-14	I						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP				-	1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/03/2013	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: AR/	1		Sec. Sec.		1.00
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/02/2013	ND	192	96.2	200	0.272	
DRO >C10-C28	<10.0	10.0	09/02/2013	ND	186	92.9	200	0.528	
Surrogate: 1-Chlorooctane	96.5 %	65.2-14	0					S	1.1.1
Surrogate: 1-Chlorooctadecane	98.6 %	63.6-15-	4						

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Celiz D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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bbs State: NM Zip: 88241 575-397-6388 Fax #: 575-397-0397 ame: GH MATHY FeD Fant control: Project Owner: DXU control: PopErD HcPANUE DXU control: PopErD HcPANUE MATRIX control: Sample I.D. GROUNDWATER MATRIX control: 2 2 2 2 control: 2 2 2 2 control: 2 2 2 2 control: 2 2 2 2 2 control: 3 2 2 2 2 contro: 3 </th <th>Project Manager: Cliff Br Address: P.O. Box 805</th> <th>Cliff Brunson ox 805</th> <th></th> <th>P.O. #: Company:</th> <th></th> <th></th>	Project Manager: Cliff Br Address: P.O. Box 805	Cliff Brunson ox 805		P.O. #: Company:		
397-6338 Fax #: 575-397-0397 Address: Address: Address: GH MATHX FeD BATT. State: Zip: n: DQET HEBATT. Gig RAB OR (C)OMP NATE NATE N: DQET HEBATT. Gig RAB OR (C)OMP NATE NATE N: DQET Gig RAB OR (C)OMP NATE NATE NATE N: DQET Gig RAB OR (C)OMP NATE NATE NATE SQE Zip:	Hobbs	State:		Attn:		
Project Owner: DXU City: n: DepterD Honne #: Phone #: n: DepterD HcBnuft/V Fax #: Zip: n: DepterD HcBnuft/V Fax #: Zip: n: DepterD HcBnuft/V Fax #: Zip: n: DepterD HcBnuft/V Fax #: Simple Sample I.D. G() PAAD OR (C)OMP. Fax #: Simple Coll Simple Coll SQL () G() PAAD OR (C)OMP. Fax #: Simple Coll Simple Coll SQL () G() PAAD OR (C)OMP. Fax #: Simple Coll Simple Coll SQL () G() PAAD OR (C)OMP. Fax #: Simple Coll Simple Coll Simple Coll SQL () G() PAAD OR (C)OMP. Fax #: Simple Coll Simple Coll Simple Coll Simple Coll SQL () () () () () Simple Coll Simple Coll Simple Coll Simple Coll Simple Fax Multi All All All All All All All All All Al	e #	Fax #:	397-0397	ess: N		
SH MATHY FED BATT. State: ZIP: In: DepETD HERDING Investion Investion Investion Sample I.D. Bample I.D. BATT Investion Investion Investion SAP Investion Investion Investion Investion Investion Investion SAP Investion Investion Investion Investion Investion Investion	roject #:	Project Owner	DXU	City:		
In: PopED HCRACUDO 2 Fax #: Participation Fax #: Fax #: Fax #: Fax #: Fax #: Fax #: Fax #: Sample I.D. G(G)(PAB OR (C)OMP. FRESERV SAMPLING. Sample C.D. (G)(PAB OR (C)OMP. FRESERV SAMPLING. Sample C.Ondfillon CHECKED BY: FRESERV SAMPLING.		MATTIX FED	a			
Doc/ED HCR/nc/M2.2 For #: Nample 1.D. NATROX IRRESERV SAMPLING: Sample 1.D. (G) (ABB OR (C)OMP. (G) (G) (ABB OR (C)OMP. Interview SQL (G) (G) (ABB OR (C)OMP. (G) (G) (ABB OR (C)OMP. Interview SQL (G) (G) (ABB OR (C)OMP. (G) (G) (ABB OR (C)OMP. Interview SQL (G) (G) (ABB OR (C)OMP. (G) (G) (ABB OR (C)OMP. Interview SQL (G) (G) (ABB OR (C)OMP. (G) (G) (ABB OR (C)OMP. Interview SQL (G) (G) (ABB OR (C)OMP. (G) (G) (ABB OR (C)OMP. Interview SQL (G) (G) (ABB OR (C)OMP. (G) (G) (ABB OR (C)OMP. Interview SQL (G) (G) (ABB OR (C)OMP. (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. SQL (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. SQL (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. SQL (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. SQL (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. SQL (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. (G) (G) (ABD OR (C)OMP. SQL (G)	roject Location:			Phone #:		
Sample I.D. Sample I.D. Sample Contrainers is a start of the second and the final of	ampler Name:		2	Fax #:	ne	
Sample Condition Response and by any and any any and any	OR LAB USE ONLY				1	
SP2C 1 GIRADUNTA SP3C 1 1 1 SP3C 1 1 1 1 SP3C 1 1 1 1 1 SP3C 1 1 1 1 1 1 1 SP3C 1		Sample I.D.	INERS WATER		ILON TP P 3TZ	
SPIC 1 V			# CONTA GROUNE WASTEV SOIL OIL	ACID/BA		
Sp2.e 1 9 8-71-13 1055 9 Sp2.e 1 9 8-71-13 1055 9 9 Sp2.e 1 9 8-71-13 1055 9 9 1055 9 1055 1	1201	01	1	V 8-21-13	211 2	
Sp2.e 1 <td>22</td> <td>2</td> <td>0</td> <td>17-13</td> <td>33 0 00</td> <td></td>	22	2	0	17-13	33 0 00	
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Image:	502		0	11 81-22-8 1	1	
SP3@i G I G III IIII Damages. Curcitative liability and client's working whittler based in contract or lot, shall be limited to the amount pade by the other the those for negleptices and whittices were shall be deemed to white or lot, shall be limited to the amount pade by the other the those for negleptices and whittices were shall be deemed to white or lot, shall be limited to the amount pade by the other the those for negleptices of whittices the manufactory whitter based in verticing and nearboard by Curcital whittin 30 days after completion of the subdistrice. Index or maked by the other state of the the the state of the state of persities in the subdistrice. Index or maked by the other state of the state o	6	21	112	27	30 1 21	
SP3@ I	7	3		1 21.2.8 0	10 100	
Damages. Curriev's tability and clerit's exclusive ennerty for any claim arising whether based in conjunct or tor, table to instance to the standard of the specific encoded by Cauditan to the specific encoded by Cau	50			10-10		
Clincle One) Time: Sample Condition CHECKED BY: Fac Result: Yes No Clincle One) Time: Sample Condition CHECKED BY: No Fac Result: Yes No	Ĕ	2.	010	1-17. B	10 1 1 1	
(Circle One) Cample Condition CHECKED BY: Yes No Circle One) Circle One) Cond totact Circle Condition CHECKED BY: Yes No Circle One) Circle Condition CHECKED BY: Circle One)	siyses. All claims including those for negli vica. In no event shall Cardinal be liable f	igence and any other cause whatsoever shall be for incidental or consequental damages, including	seemed waived unless made in writing and without limitation, business Interruptions, I	of profits incurred by client	versition of the applicable subsidiaries,	
Circle One)	elinquished By:	Date: - Cf. C	peived By:	0	It: Ves	
Circle One)	ASA	OP Sen O	yell sh	ŕ		
(Circle One) Time: Sample Condition CHECKED	elinquished By:	Date:	Received By:			
(Circle One) Sample Condition CHECKED		Time:				
ĺ		One)	Sample Conditi	CHECKED		

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Company Name: B	Company Name: BBC International, Inc.		101 FT FT	ANA	ANALYSIS REQUEST	
Project Manager: Cliff Brunson	Sliff Brunson		P.O. #:			
Address: P.O. Box 805	x 805	A STATE OF ST	Company:			
city: Hobbs	State: NM	NM zip: 88241	Attn:			
Phone #: 575-397-6388		575-397	Address: SAME			
Project #:		Project Owner: 0XU	City:			
Ime:	GH MATTIX	-	State: Zip:			
Project Location:			Phone #:			
Sampler Name:	ROJER HERI	HERNZHDEZ	Fax #:	De		
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING			
Lab I.D.	Sample I.D.	DRAB OR (C)OMI CONTAINERS ROUNDWATER ASTEWATER DIL L UDGE	HER : ID/BASE: E / COOL HER :	CHLON TPH BTE		
Noran S	P3 @ 31	# 0 5 0 0	0 2 2 0 DATE	257 VVV		
12	4.	611		210 015		
.*						
	-					
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