HOBBS OCD PTXK 1535150101 4031

Form C-141 Revised August 8, 2011

FEB 07 2014

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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division Santa Fe, NM 87505

Submit The Evaporopriate District Office in accordance with 19.15.29 NMAC. 1220 South St. Francis Dr.

			Rel	ease Notifi	catio	and Co	rrective A	ction				
					*	OPERA'	FOR		☐ Initia	al Report	\boxtimes	Final Report
Name of Co		Oxy Permia					hancey Summe					
		tanolind Rd	Hobbs,	NM 88240		Telephone 1						
Facility Na	me MLN	MU #247				Facility Typ	e Well locati	ion				
Surface Ow	mer BLI	M		Mineral (Owner				API No	. 30-025	-1104	1
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County		
P	7	248	37E	550		South	660	E	ast	Lea		
				Latitude N 32.2			de W 103.2061					
							Juli	<u></u>				
Tuna of Dala	nan Dund	and Water		NAI	URE	OF RELI		l.	3/-1 T		0.111	
Type of Rele Source of Re		w line leak			4	Volume of	Release 30 bbl		Volume F	Hour of Dis	0 bbls	
Double of the	10000 110	W IIIIO IOUR				07/15/2013			07/15/201		covery	
Was Immedia	ate Notice C		Ves [No Not R	amired	If YES, To	Whom? eking-NMOCD;				os PI	м
D. Whom?	Chanass		165	THO LI NOTE	equited					i, Janies Am	105- DL	NI .
By Whom? Was a Water					-		our 07/15/2013 lume Impacting t					
., ., ., ., ., ., ., ., ., ., ., ., ., .		_	Yes 🛛	No		11 120, 10	tune impacting t	are traces	Course			
If a Watercou	irse was Im	nacted Descr	he Fully	k .								-
Describe Cau	se of Proble	em and Reme	dial Action	Taken *								
				water to leak ont	to the gro	ound. No flui	ds were recovered	d and the	line was r	epaired.		+ - 1
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*								
The affected	area is appr	oximately 140)' x 40'. I	Remediation was of by Jennifer Van					lan approv	ed by Geoff	frey Lel	cing of
regulations al public health should their o	or the envir operations ha ment. In a	are required to conment. The ave failed to a ddition, NMC	acceptant acceptant adequately CD accep	is true and comp id/or file certain r e of a C-141 repo investigate and r tance of a C-141	elease no ort by the emediate	otifications and NMOCD ma contamination	d perform correct rked as "Final Re on that pose a three	tive action eport" do eat to gro	ons for rele es not reli- ound water	eases which eve the oper , surface wa	may en ator of ter, hun	danger liability nan health
Signature:	<	>>>	5)			OIL CONS	SERVA	ATION	DIVISIO	MA	
Printed Name	: Chance	y Summers			1	Approved by	Environmental Sp		nmental	Speciali	st	0
Title: HES	Specialist				1	Approval Date	02/07/11		xpiration I	-		
E-mail Addre	ess: Chance	cey.Summers	@oxy.com			Conditions of	Approval:			Attached		
Attach Addit	ional Chan	te If Nacass	-	(0.0) 031 021	-						_	

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

State of New Mexico Energy Minerals and Natural Resources

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

HOBBS OCD

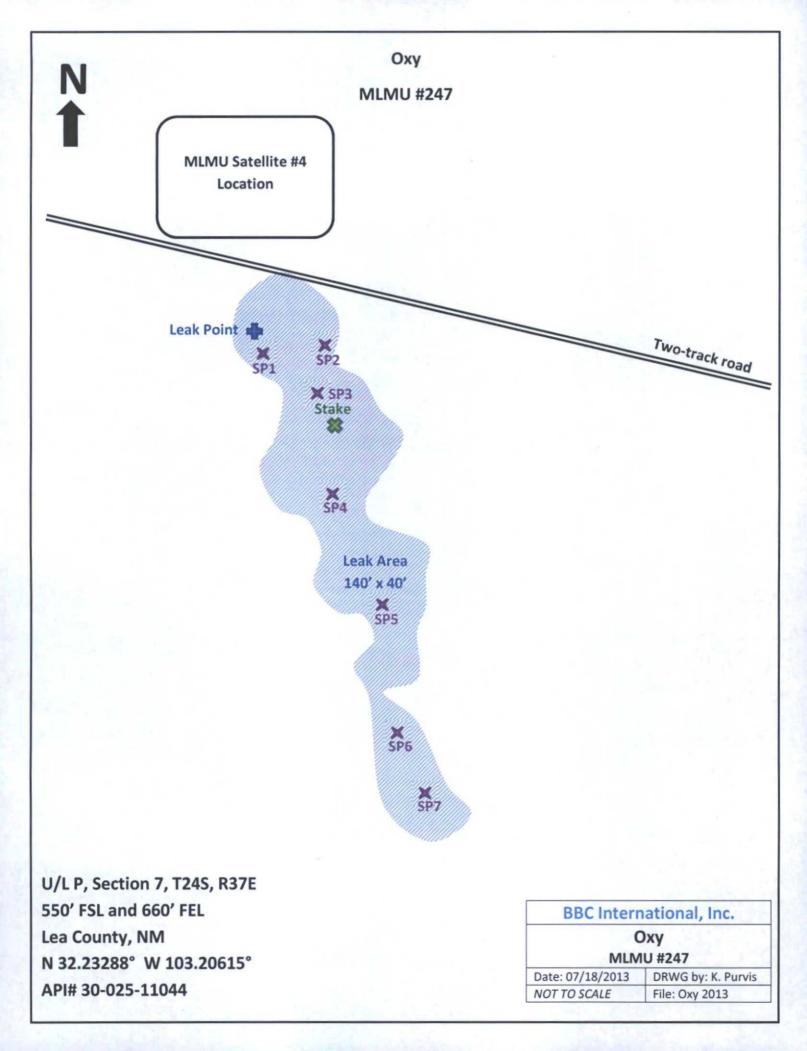
Form C-141

FEB 0 7 2014

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

RECEIVED

			Rel	ease Notific	cation	and Co	orrective A	ction		
						OPERA'	TOR		ial Report	☐ Final Report
Name of Co		Oxy Permia					Chancey Summe	ers		
		tanolind Rd,	Hobbs, 1	NM 88240		Telephone 1				
Facility Na	me MLN	/IU #247				Facility Typ	e Well locati	on		
Surface Ow	ner BLN	А		Mineral (Owner	a 15		API N	o. 30-025-1	1044
				LOCA	ATION	OFRE	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/West Line	County	
P	7	24S	37E	550		South	660	East	Lea	
			1	Latitude N 32.2		Longitu OF REL	de <u>W 103.2061.</u> EASE			
Type of Rele		iced Water				Volume of			ALL STATE OF THE S	bbls
Source of Re	lease Flor	w line leak				Date and H 07/15/2013	lour of Occurrence	e Date and 07/15/20	Hour of Discov	very
Was Immedia	ate Notice G	iven?				If YES, To		07/13/20	13	
			Yes	No Not Re	equired			Jennifer Van Cure	n, James Amos-	- BLM
By Whom?	Chancey S	ummers				Date and H	lour 07/15/2013	3 @ 10:17 am		
Was a Water	course Reac	_				If YES, Vo	lume Impacting t	he Watercourse.		
			Yes 🛚	No						4.
Describe Cau	se of Proble	m and Remed	dial Action	n Taken.*						
					o the gro	und. No flui	ds were recovered	d and the line was	repaired.	
Describe Are	a Affected a	nd Cleanup A	ction Tak	en.*						の方面判析し
The affected	area is appro	oximately 140	' x 40'. F	Remediation will l	be compl	eted in accor	dance with a remo	ediation plan appro	oved by NMOC	D and the BLM.
regulations al public health should their o	or the environment. In adment. In adment.	onment. The re failed to a ddition, NMO	report an acceptanc dequately CD accept	d/or file certain re e of a C-141 repo investigate and re	elease no ort by the emediate	NMOCD ma contamination	nd perform correct arked as "Final Re on that pose a thre	nderstand that puritive actions for rel eport" does not releat to ground water esponsibility for c	eases which ma ieve the operato r, surface water,	y endanger or of liability , human health
							OIL CONS	SERVATION	DIVISION	7 7 77
Signature:										
Printed Name	: Chancey	Summers			A	Approved by	Environmental Sp	pecialist:		
Title: HES	Specialist				A	Approval Date	e:	Expiration	Date:	
E-mail Addre	ss: <u>Chanc</u>	ey.Summers/a				Conditions of	Approval:		Attached	j
Date: 5 ~			Phone:	(575) 397-821	0				1	





Groundwater Plot

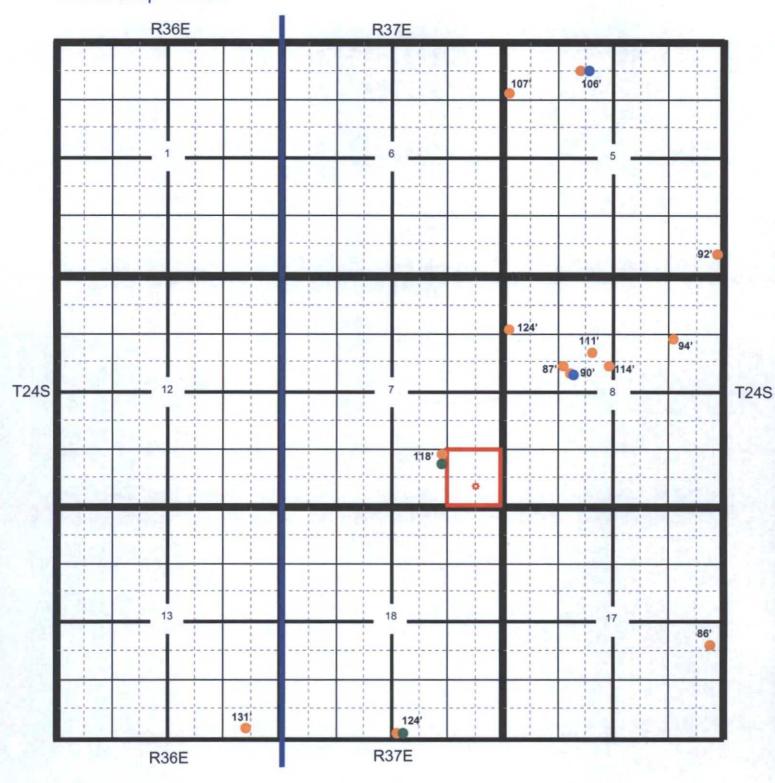
Oxy MLMU #247

CountyUnit LetterSectionTownshipRangeLea CountyP724S37E

Trend Map 100'

Location

OCD



• USGS

• SEO

All Databases



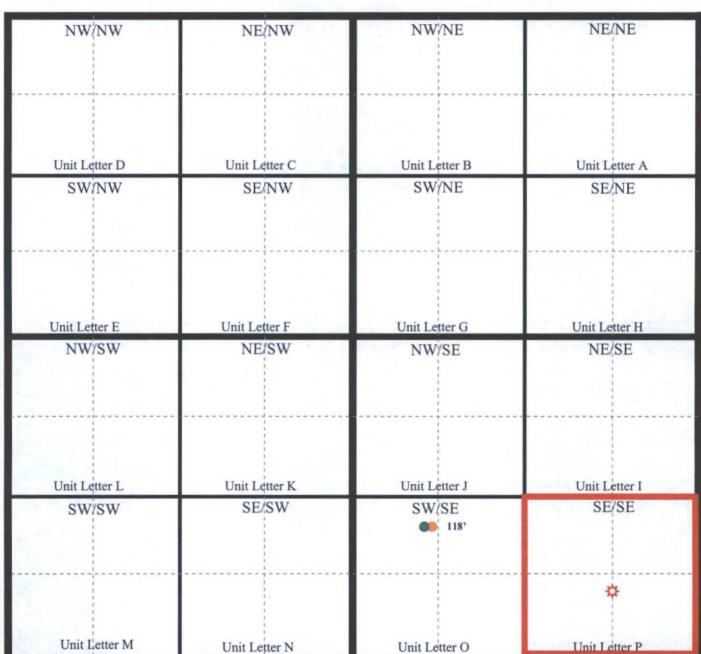
Section Quarters

Oxy MLMU #247

CountyUnit LetterSectionTownshipRangeLea CountyP724S37E

Trend Map 100'

1



3

Location

OCD

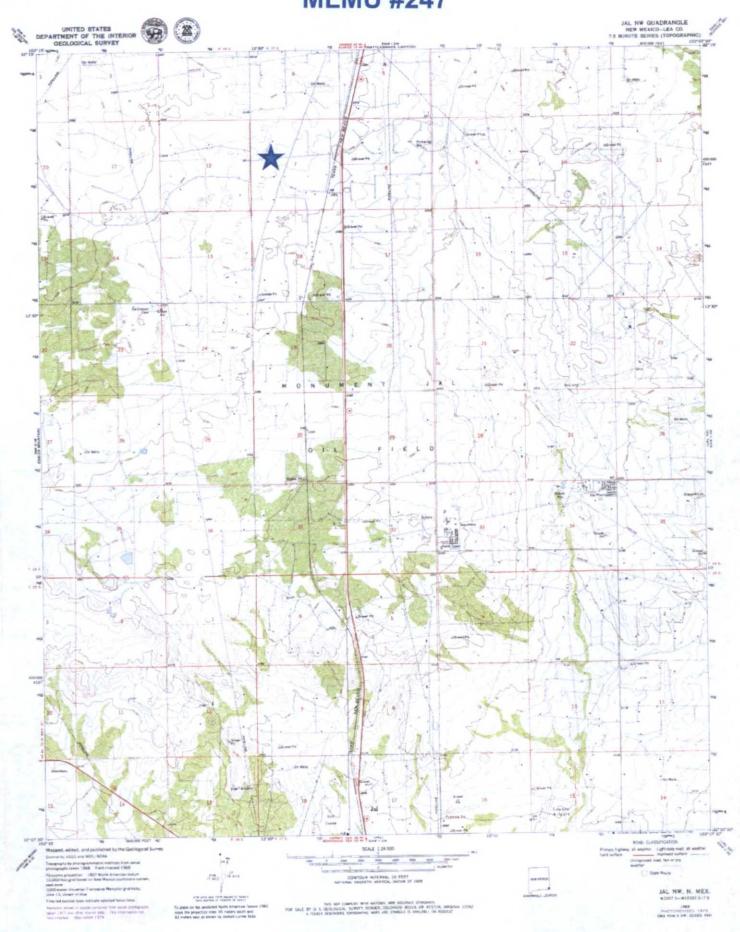
USGS

SEO

All Databases

Оху

MLMU #247



Oxy MLMU #247

Laboratory Analytical Results Summary MLMU #247

		Sample	SP1@1	SP1 @ 3*	SP1 @ 2.	SP1 @ 8,	SP1@11	SP1 @ 12	SP1 (0.13
Analyte	Method	Date	7/26/13	7/26/13	7/26/13	9/11/13	9/11/13	9/11/13	9/11/13
		2 - 2	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	The same	<2.00	8.8	0.482	<0.050	<0.050	n/a	<0.050
Loluene	BTEX 8021B		18.1	30.5	3	<0.050	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		21.8	73.4	8.46	<0.050	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		9.98	186	24.5	<0.150	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		127	298	36.4	<0.300	<0.300	n/a	<0.300
Chloride	SM4500CI-B		1230	2320	2000	1710	809	288	64
GRO	TPH 8015M		1860	3150	317	<10.0	<10.0	n/a	<10.0
DRO	TPH 8015M		9300	9910	2960	<10.0	<10.0	n/a	<10.0
		Sample	SP2 @ 1	SP2 @ 3'	SP2@5	SP2 @ 8'	SP2 @ 11"	SP2 @ 12*	SP2 @ 13
Analyte	Method	Date	7/26/13	7/26/13	7/26/13	8/11/13	9/11/13	9/11/13	8/11/13
		1	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	3.38	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		18	20	0.124	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B	2	21.4	15.8	0.062	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		79.3	96.2	0.161	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		119	135	0.347	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		992	2280	336	929	592	272	64
GRO	TPH 8015M		1710	2070	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		8730	10400	<10.0	n/a	n/a	n/a	n/a
		Sample	SP3 @ 1"	SP3 @ 3"	SP3 @ 51	SP3 @ 8	SP3@11	SP3 @ 12*	SP3 @ 13"
Analyte	Method	Date	7/26/13	7/26/13	7/26/13	9/11/13	9/11/13	9/11/13	9/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		2.72	6.81	2.14	<0.050	<0.050	n/a	<0.050
Toluene	BTEX 8021B		23	44.9	17.4	<0.050	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		27.7	67.8	21.1	<0.050	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		106	178	78.1	<0.150	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		159	297	119	<0.300	<0.300	n/a	<0.300
Chloride	SM4500CI-B		928	2160	976	768	592	288	80
GRO	TPH 8015M		1860	3530	1640	<10.0	<10.0	n/a	<10.0
DRO	TPH 8015M		8420	12000	7860	<10.0	<10.0	n/a	<10.0
	W. S. S. S.	Sample	SP4@1	SP4@3	SP4 @ 5	SP4 @ 8'	SP4@11	SP4 @ 12"	SP3 @ 13'
Analyte	Method	Date	7/26/13	7/26/13	7/26/13	9/11/13	8/11/13	9/11/13	8/11/13
	THE ALL SALES		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	<1.00	<1.00	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		0.612	5.27	5.02	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		1.12	17.4	15.4	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		6.91	8.99	61.8	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B	1 1 8 1 8	8.64	89.5	82.2	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		809	1940	1960	800	528	288	64
GRO	TPH 8015M		194	971	51.1	n/a	n/a	n/a	n/a
				-					

Laboratory Analytical Results Summary MLMU #247

		Sample	SP5@1"	SP5 @ 3'	SP5 @ 5	SP5@7
Analyte	Method	Date	7/29/13	7/29/13	7/29/13	9/13/13
	THE PERSON NAMED IN		mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<.400	<0,050	<0.050	n/a
Toluene	BTEX 8021B		2.84	0.905	0.848	n/a
Ethylbenzene	BTEX 8021B		2.89	2.16	2.37	n/a
Total Xylenes	BTEX 8021B		41.7	9.46	9.61	n/a
Total BTEX	BTEX 8021B		47.4	12.5	12.8	n/a
Chloride	SM4500CI-B		1230	2440	2480	704
GRO	TPH 8015M		50.9	16.4	10.9	n/a
DRO	TPH 8015M		911	222	122	n/a

		Sample	SP6 @ 1'	SP6 @ 3'	SP6 @ 5'	SP6 @ 7
Analyte	Method	Date	7/29/13	7/29/13	7/29/13	9/13/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.802	0.212	<0.050	n/a
Toluene	BTEX 8021B		3.09	2.17	0.35	n/a
Ethylbenzene	BTEX 8021B		22.9	4.67	0.765	n/a
Total Xylenes	BTEX 8021B		62.9	16.2	3.24	n/a
Total BTEX	BTEX 8021B		83.8	23.2	4.35	n/a
Chloride	SM4500CI-B		1250	2280	2320	432
GRO	TPH 8015M		305	27.3	<10.0	n/a
DRO	TPH 8015M		3290	354	128	n/a

		Sample	SP7 @ 1	SP7 @ 3	SP7 @ 5'	SP7@7"
Analyte	Method	Date	7/29/13	7/29/13	7/29/13	8/13/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.636	0.243	0.124	n/a
Toluene	BTEX 8021B		3.07	2.02	1.7	n/a
Ethylbenzene	BTEX 8021B		24.3	7.8	6.94	n/a
Total Xylenes	BTEX 8021B		67.3	27.7	24.9	n/a
Total BTEX	BTEX 8021B		95.3	37.8	33.7	n/a
Chloride	SM4500CI-B		1140	2440	1920	720
GRO	TPH 8015M		261	38.2	34.8	n/a
DRO	TPH 8015M		3040	374	369	n/a



HOBBS OCD

FEB 07 2014

RECEIVED

August 05, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 07/30/13 16:55.

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 accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To:

(575) 397-0397

Received: Reported: 07/30/2013

08/05/2013

Project Name: Project Number: MLMU #247 NONE GIVEN

Project Location:

JAL, NEW MEXICO

171%

270 %

65.2-140

63.6-154

Sampling Date:

07/26/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 1' (H301799-01)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	18.1	2.00	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	21.8	2.00	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	86.6	6.00	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTEX	127	12.0	08/01/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg.	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1860	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	9300	50.0	08/01/2013	ND	190	95.0	200	10.7	

Cardinal Laboratories

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Kuna



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

Fax To: (575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 1 @ 3' (H301799-02)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.80	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	30.5	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	73.4	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	186	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	298	12.0	08/02/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL	116	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg.	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3150	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	9910	50.0	08/01/2013	ND	190	95.0	200	10.7	

176% 65.2-140 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane 63.6-154 284%

*=Accredited Analyte Cardinal Laboratories

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Celeg D. Keens



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

(575) 397-0397 Fax To:

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 1 @ 5' (H301799-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.482	0.200	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	3.00	0.200	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	8.46	0.200	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	24.5	0.600	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	36.4	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	146	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	317	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	2960	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	128	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	167	% 63.6-15	4						

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Celey D. Keine



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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 2 @ 1' (H301799-04)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	18.0	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	21.4	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	79.3	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	119	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1710	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	8730	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	161	% 65.2-14	0						Tel?
Surrogate: 1-Chlorooctadecane	284	% 63.6-15	4						

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Received:

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Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 2 @ 3' (H301799-05)

BTEX 8021B	mg	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	3.38	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	20.0	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	15.8	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	96.2	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	135	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118	% 89.4-12	6						
Chloride, SM4500CI-B	mg	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	2280	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2070	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	10400	50.0	08/01/2013	ND	190	95.0	200	10.7	

Surrogate: 1-Chlorooctadecane

308 %

63.6-154

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Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 2 @ 5' (H301799-06)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	0.124	0.050	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	0.062	0.050	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	0.161	0.150	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	0.347	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	105	89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	<10.0	10.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	87.0	% 65.2-14	0					- 17	15.75
Surrogate: 1-Chlorooctadecane	107 9	63.6-15	4						

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Fax To:

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Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

242 %

63.6-154

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 1' (H301799-07)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.72	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	23.0	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	27.7	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	106	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	159	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1860	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	8420	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	154 9	65.2-14	0						

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Surrogate: 1-Chlorooctadecane

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Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

RTEY 8021B

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 3' (H301799-08)

BTEX 80218	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.81	4.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	44.9	4.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	67.8	4.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	178	12.0	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	297	24.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3530	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	12000	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	180	% 65.2-14	0						

Analyzed By: DW

Surrogate: 1-Chlorooctadecane 346 % 63.6-154

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Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN
JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 5' (H301799-09)

BTEX 8021B	mg/l	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.14	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	17.4	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	21.1	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	78.1	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	119	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIE	118 %	89.4-12	6						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP	-				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1640	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	7860	50.0	08/01/2013	ND	190	95.0	200	10.7	

Surrogate: 1-Chlorooctane

158 %

65.2-140

Surrogate: 1-Chlorooctadecane

228 %

63.6-154

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Fax To: (575) 397-0397

Received: Reported: 07/30/2013 08/05/2013

/2013 /2013

Project Name: Project Number: MLMU #247 NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sampling Date:

07/26/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 4 @ 1' (H301799-10)

BTEX 8021B	mg,	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	0.612	0.200	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	1.12	0.200	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	6.91	0.600	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	8.64	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	125	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	194	100	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	21900	100	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	123	% 65.2-14	0						R. Ph
Surrogate: 1-Chlorooctadecane	953	63.6-15	4						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

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Fax To:

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Received: Reported: 07/30/2013

08/05/2013

Project Name: Project Number: MLMU #247 NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sampling Date:

07/26/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 3' (H301799-11)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	5.27	1.00	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	17.4	1.00	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	66.8	3.00	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	89.5	6.00	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	126	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1940	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	971	50.0	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	8900	50.0	08/02/2013	ND	191	95.6	200	3.53	

Surrogate: 1-Chlorooctane

141%

65.2-140

Surrogate: 1-Chlorooctadecane

279 %

63.6-154

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Fax To: (575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013 MLMU #247

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition: Sample Received By:

Cool & Intact Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 4 @ 5' (H301799-12)

BTEX 8021B	mg,	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	5.02	1.00	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	15.4	1.00	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	61.8	3.00	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	82.2	6.00	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	123	% 89.4-12	6						
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	1960	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg,	kg	Analyze	d By: MS				100	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	51.1	10.0	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	540	10.0	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	86.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	110	63.6-15	4						

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Celey D. Keene



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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 5 @ 1' (H301799-13)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.400	0.400	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	2.84	0.400	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	2.89	0.400	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	41.7	1.20	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	47.4	2.40	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	149 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	50.9	10.0	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	911	10.0	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	73.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9	63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 5 @ 3' (H301799-14)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	0.905	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	2.16	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	9.46	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	12.5	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	212 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	16.4	10.0	08/01/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	222	10.0	08/01/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	90.8	65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 5 @ 5' (H301799-15)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	0.848	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	2.37	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	9.61	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	12.8	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	216	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					1277
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.9	10.0	08/01/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	122	10.0	08/01/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	87.7	% 65.2-14	0				111111	11.	- 3
Surrogate: 1-Chlorooctadecane	108 9	63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 6 @ 1' (H301799-16)

BTEX 8021B	mg/kg		Analyzed By: DW						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.802	0.200	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	3.09	0.200	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	22.9	0.200	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	62.9	0.600	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	89.8	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	200	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					C
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	305	100	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	3290	100	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	125	% 63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247 NONE GIVEN Sampling Condition:

Cool & Intact

Project Number: Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 6 @ 3' (H301799-17)

BTEX 8021B	mg,	kg	Analyze	d By: DW		121			S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.212	0.050	08/02/2013	ND	2.21	110	2.00	4.37		
Toluene*	2.17	0.050	08/02/2013	ND	2.16	108	2.00	4.56		
Ethylbenzene*	4.67	0.050	08/02/2013	ND	2.29	114	2.00	4.01		
Total Xylenes*	16.2	0.150	08/02/2013	ND	6.88	115	6.00	3.56		
Total BTEX	23.2	0.300	08/02/2013	ND						
Surrogate: 4-Bromofluorobenzene (PIL	240	% 89.4-12	6							
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	08/01/2013	ND	416	104	400	0.00		
TPH 8015M	mg/kg		Analyzed By: MS						The second	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	27.3	10.0	08/01/2013	ND	181	90.5	200	4.59		
DRO >C10-C28	354	10.0	08/01/2013	ND	191	95.6	200	3.53		
Surrogate: 1-Chlorooctane	92.1	% 65.2-14	0						1 2	
Surrogate: 1-Chlorooctadecane	113	63.6-15	4							

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Fax To: (575) 397-0397

Received: Reported: 07/30/2013 08/05/2013

Project Name: Project Number:

MLMU #247 NONE GIVEN JAL, NEW MEXICO

Project Location:

Sampling Date: Sampling Type:

Sample Received By:

07/29/2013 Soil

Sampling Condition:

Cool & Intact

Jodi Henson

Sample ID: SP 6 @ 5' (H301799-18)

BTEX 8021B	mg	/kg	Analyze	d By: DW			15		S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	0.350	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	0.765	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	3.24	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	4.35	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	154	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	08/01/2013	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					- W
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2013	ND	181 191	90.5	200	4.59	
DRO >C10-C28	128	10.0	08/01/2013	ND		95.6	200	3.53	
Surrogate: 1-Chlorooctane	84.0	% 65.2-14	0						
S	105	0/ /3/15							

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 7 @ 1' (H301799-19)

BTEX 8021B	mg/	/kg	Analyze	ed By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.636	0.200	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	3.07	0.200	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	24.3	0.200	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	67.3	0.600	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	95.3	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	214	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	08/01/2013	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	261 100		08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	3040	100	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	96.3	% 65.2-14	0						14
Surrogate: 1-Chlorooctadecane	120	63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 7 @ 3' (H301799-20)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.243	0.050	08/02/2013	ND	2.21	110	2.00	4.37		
Toluene*	2.02	0.050	08/02/2013	ND	2.16	108	2.00	4.56		
Ethylbenzene*	7.80	0.050	08/02/2013	ND	2.29	114	2.00	4.01		
Total Xylenes*	27.7	0.150	08/02/2013	ND	6.88	115	6.00	3.56		
Total BTEX	37.8	0.300	08/02/2013	ND						
Surrogate: 4-Bromofluorobenzene (PIL	306	% 89.4-12	6							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					17-	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440 16.0		08/01/2013 ND		416	104	400	0.00		
TPH 8015M	mg/kg		Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	38.2	10.0	08/01/2013	ND	181	90.5	200	4.59		
DRO >C10-C28	374	10.0	08/01/2013	ND	191	95.6	200	3.53		
Surrogate: 1-Chlorooctane	89.0	% 65.2-14	0					THE	75.5	
Surrogate: 1-Chlorooctadecane	108	% 63.6-15	4							

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Fax To:

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 7 @ 5' (H301799-21)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.124	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	1.70	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	6.94	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	24.9	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	33.7	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	3165	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920 16.0		08/01/2013 ND		416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						-
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	34.8	10.0	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	369	10.0	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	92.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

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Celey D. Keena



Notes and Definitions

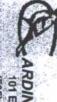
S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance ND Analyte NOT DETECTED at or above the reporting limit Relative Percent Difference RPD Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. *** Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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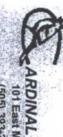
Celey D. Keena



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ANALYSIS REQUEST	ANALY			Out This		onal, Inc.	Company Name: BBC International, Inc.	ompany Name

Page 24 of 26



ARDINAL LABORATORIES 101 East Mariand, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ompany Name: BBC International, Inc.		67.1/3		ANALYSIS REQUEST	QUEST	
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Page 26 of 26

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



HOBBS OCD

FEB 07 2014

RECEIVED

September 20, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 09/16/13 16:20.

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_accred_certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To:

(575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

123 %

63.6-154

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 8' (H302231-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keine



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

Fax To: (575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number: Project Location:

JAL, NEW MEXICO

Sample ID: SP 1 @ 11' (H302231-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	< 0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	< 0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL

108 %

89.4-126

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					dr.
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane

102 %

65.2-140

Surrogate: 1-Chlorooctadecane

109%

63.6-154

Sample ID: SP 1 @ 12' (H302231-03)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/18/2013	ND	416	104	400	3.77	

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Celey D. Keene



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

Fax To: (575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 1 @ 13' (H302231-04)

STEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	< 0.300	0.300	09/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL

112%

89.4-126

Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane

118%

65.2-140

Surrogate: 1-Chlorooctadecane

124%

63.6-154

Sample ID: SP 2 @ 8' (H302231-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	09/18/2013	ND	416	104	400	3.77	

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Celey D. Keena



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

Fax To: (575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013 MLMU #247

Sampling Type:

Soil

Project Name: Project Number:

NONE GIVEN

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

Project Location:

JAL, NEW MEXICO

Sample ID: SP 2 @ 11' (H302231-06)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyte

Result

16.0

Reporting Limit

Reporting Limit

Reporting Limit

Method Blank

% Recovery

True Value QC

Qualifier

Chloride

592

09/18/2013

Analyzed

Analyzed

Analyzed

ND

416

104

400

Sample ID: SP 2 @ 12' (H302231-07)

Chloride, SM4500Cl-B

Analyte

Analyte

Analyzed By: AP

Method Blank

% Recovery

True Value QC

400

Chloride

Result 272

16.0 09/18/2013 ND

BS 416

104

RPD 3.77

RPD

3.77

Qualifier

Sample ID: SP 2 @ 13' (H302231-08)

Chloride, SM4500CI-B

Analyzed By: AP

Method Blank

ND

BS

% Recovery True Value QC RPD

Chloride

Result 64.0

16.0 09/18/2013

416

104

400

3.77

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kuna



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

Fax To:

(575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 8' (H302231-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	< 0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	< 0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	< 0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	
Surrogate: 1-Chlorooctane	1145	65.2-14	0						
Surrogate: 1-Chlorooctadecane	124 9	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keens



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

Fax To:

(575) 397-0397

Received: Reported: 09/16/2013

09/20/2013

Project Name: Project Number: MLMU #247 NONE GIVEN

Project Location:

JAL, NEW MEXICO

128 %

63.6-154

Sampling Date:

09/11/2013

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 11' (H302231-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
TPH 8015M Analyte	Result	Reporting Limit	Analyzed	d By: MS Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte GRO C6-C10				•	BS 198	% Recovery	True Value QC	RPD 0.103	Qualifier

Sample ID: SP 3 @ 12' (H302231-11)

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/18/2013	ND	416	104	400	3.77	

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Surrogate: 1-Chlorooctadecane

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Celey D. Keina



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

Fax To:

(575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 13' (H302231-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	< 0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	< 0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	< 0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107	% 89.4-12	6						
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	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

ND

198

189

99.1

94.7

200

200

0.103

2.84

Surrogate: 1-Chlorooctane

GRO C6-C10

DRO >C10-C28

122 %

<10.0

<10.0

65.2-140

09/18/2013

09/18/2013

10.0

10.0

Surrogate: 1-Chlorooctadecane

131%

63.6-154

Sample ID: SP 4 @ 8' (H302231-13)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP				V.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/18/2013	ND	416	104	400	3.77	

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Celey D. Keene



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

Fax To: (575) 397-0397

Received:

09/16/2013 09/20/2013

Reported: Project Name: MLMU #247 Project Number:

Project Location:

NONE GIVEN

JAL, NEW MEXICO

Sampling Date:

Sampling Type:

09/11/2013 Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 4 @ 11' (H302231-14)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Analyzed By: AP

Analyte

Result 528

16.0 09/18/2013

Analyzed

Reporting Limit

16.0

Reporting Limit

16.0

Method Blank ND

416

BS

416

% Recovery 104

True Value OC 400

RPD

Qualifier

3.77

Sample ID: SP 4 @ 12' (H302231-15)

Chloride, SM4500CI-B

Analyzed By: AP

Analyte Reporting Limit Result

Analyzed

09/18/2013

Method Blank

% Recovery

104

True Value QC

400

Qualifier

RPD 3.77

Sample ID: SP 4 @ 13' (H302231-16)

Chloride, SM4500Cl-B

Analyte

Analyte

mg/kg

Analyzed By: AP

Method Blank

ND

BS

% Recovery

RPD

3.77

Qualifier

Chloride

Result 64.0

Result

704

288

16.0

Analyzed 09/17/2013

ND

416

104

True Value QC

Sample ID: SP 5 @ 7' (H302231-17)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Reporting Limit

Analyzed 09/17/2013

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

400

RPD

3.77

Qualifier

Qualifier

Chloride

Sample ID: SP 6 @ 7' (H302231-18)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Chloride

Result

432

Reporting Limit Analyzed 16.0 09/17/2013 Method Blank ND

BS 416 % Recovery 104

True Value QC

400

RPD 3.77

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Celey D. Keine



BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received:

09/16/2013

Sampling Date:

09/13/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 7 @ 7' (H302231-19)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/17/2013	ND	416	104	400	3.77	

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Celey D. Keens



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

Insufficient time to reach temperature.

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

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

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Celey D. Kreene



CHAIN-OF-CUSTODY AND ANALYSIS REQU

JD.	9	80	1	6	G	4	S	2		H302231	Lab I.D.		FOR LAB USE ONLY	Sampler, Name:	Project Location	Project Name:	Project #: *	Phone #: 575-397-6388	city: Hobbs	Address P.O	Project Manage	Company Nam
	SON SON	, X	17	' "	SP2@ B!	1,2,	17:	/ //	30/08		Sample I.D.			KARR HIRMT		MUMIN 1949	• Project Ow	Fax #:	State: NI	P.O. Box 805	ect Manager: Cliff Brunson	s bbc international, inc.
W W	\ \ \ \	0	0	0	2	6	2	0	7	(G)RA # CON GROU WAST SOIL	TAINE NDW/	ATER	201	109		`	Owner OK	575-397-0397	State: NM Zip: 88241			STATE OF STA
Si-18:13	1.5	101110	1/ 19 1/ 12	/ 19:11.	1.10 1.1	100	10/	0 0	V. 0 W.	OTHE ACID/O ICE/O OTHE	R BASE: COOL		PRESERV	Pax #	Phone #:	State: Zip:	City	Address: V	Ami	Company:	P.O.#	THE STATE OF THE PARTY OF THE P
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Cardinal cannot accept verbal changes. Please fax written changes to 505-393-

Delivered By: (Circle One)

Page 12 of 13



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

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

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24

RECEIVED

FEB 07 2014

From: Leking, Geoffrey R, EMNRD < GeoffreyR.Leking@state.nm.us>

Sent: Thursday, October 03, 2013 9:21 AM

To: Cliff P. Brunson

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

Subject: RE: OXY-MLMU #247-Remediation Plan

Cliff

RE: OXY-MLMU #247-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 11:08 AM

To: Leking, Geoffrey R, EMNRD

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

Subject: OXY-MLMU #247-Remediation Plan

Geoff,

This message is to confirm our discussion on September 25, 2013 concerning the remediation plan for the Oxy MLMU #247 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 5 feet across the entire leak area and then place an impermeable liner in the around around SP1. 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
Mailling Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA

Phone: (575) 397-6388 Fax: (575) 397-0397

E-Mail: cbrunson@bbcinternational.com

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Kathy Purvis

FEB 0 7 2014

From:

Van Curen, Jennifer <jvancure@blm.gov>

Sent:

Sunday, October 06, 2013 8:09 PM

To:

Cliff P. Brunson

RECEIVED

Cc:

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

Subject:

Re: OXY-MLMU #247-Remediation Plan

Cliff,

You are good to go on this one also.

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 10:43 AM, Cliff P. Brunson < cbrunson@bbcinternational.com> 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 5 feet across the entire leak area and then place an impermeable liner in the around around SP1. The site will then be backfilled with clean soil.

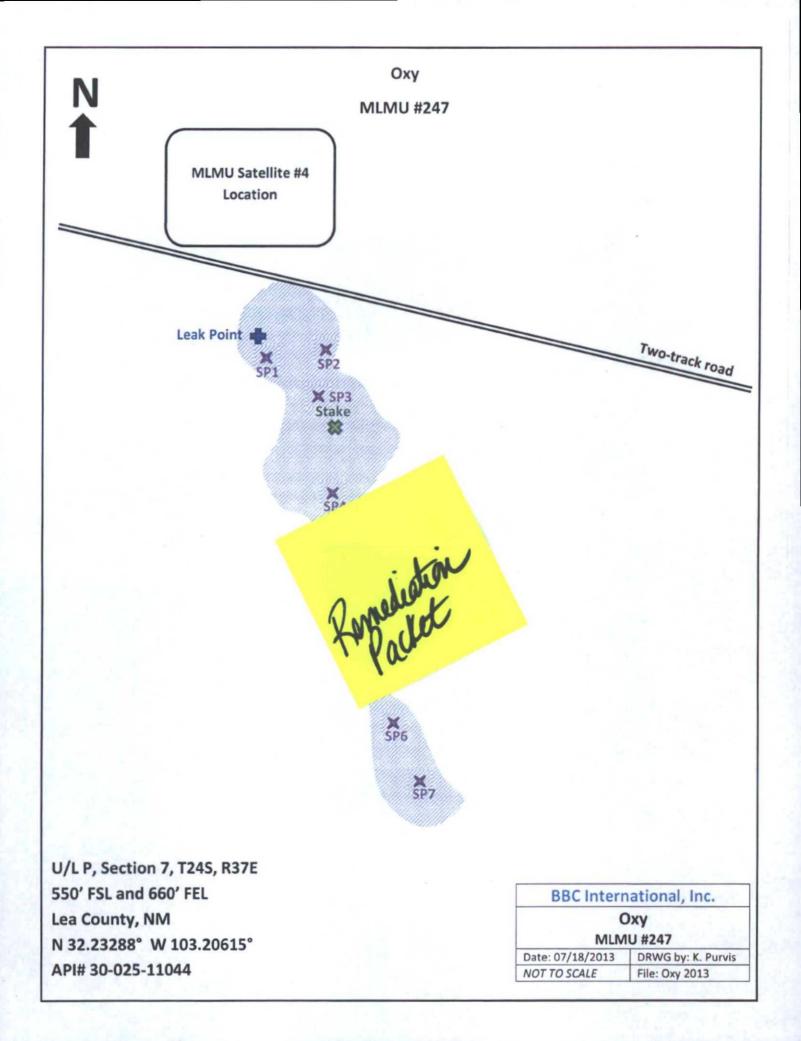
If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated. If you have any questions, please let us know.

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) 397-0397

E-Mail: cbrunson@bbcinternational.com

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Groundwater Plot

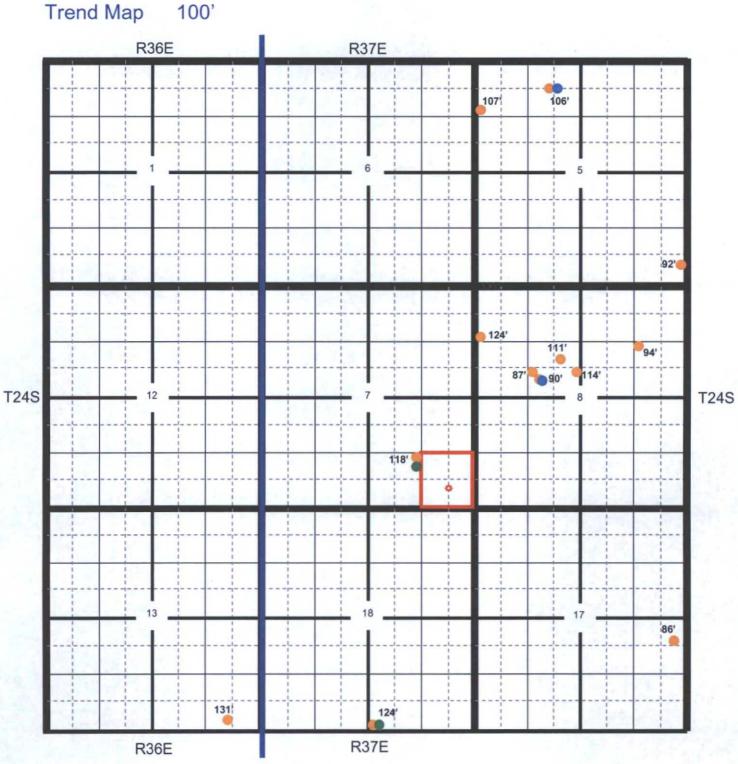
Oxy MLMU #247

County Lea County **Unit Letter**

Section

Township **24S**

Range 37E



Location

OCD

•USGS •SEO

All Databases



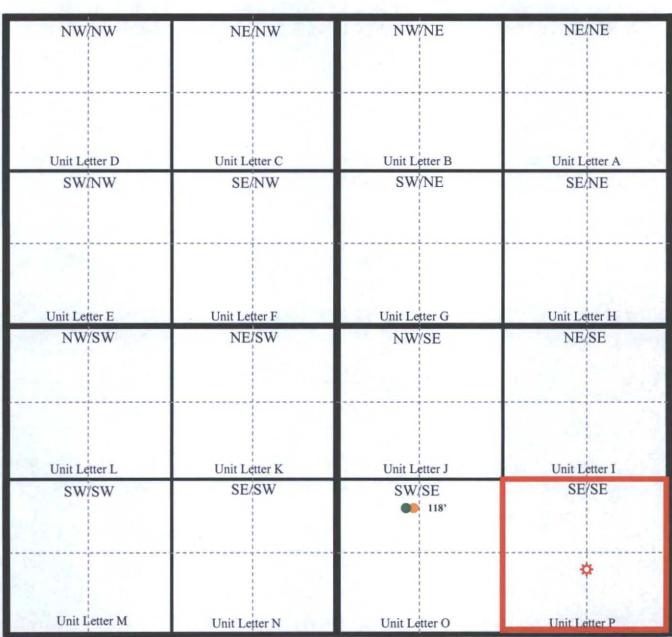
Section Quarters

Oxy MLMU #247

CountyUnit LetterSectionTownshipRangeLea CountyP724S37E

Trend Map 100'

1 2



3

Laboratory Analytical Results Summary MLMU #247

		Sample	241 (0)	SPT (Q. 5	SET (W.S.	2 I (0 0	TI (B) LAS	2F1 @ 12	2
Analyte	Method	Date	7/26/13	7/26/13	7/26/13	9/11/13	9/11/13	9/11/13	9/11/13
S PANAGE .			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	1 × ×	<2.00	8.8	0.482	<0.050	<0.050	n/a	<0.050
Toluene	BTEX 8021B		18.1	30.5	3	<0.050	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		21.8	73.4	8.46	<0.050	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		9.98	186	24.5	<0.150	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		127	298	36.4	<0.300	<0.300	n/a	<0.300
Chloride	SM4500CI-B		1230	2320	2000	1710	809	288	64
GRO	TPH 8015M		1860	3150	317	<10.0	<10.0	n/a	<10.0
DRO	TPH 8015M		9300	9910	2960	<10.0	<10.0	n/a	<10.0
					1				
		Sample	SP2 @ 1	SP2 @ 3	SP2 @ 5	SP2@8	SP2 @ 11	SP2 @ 12'	SP2 @ 13
Analyte	Method	Date	7/28/13	7726/13	7/26/13	9/11/13	9/11/13	9/11/13	9/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	3.38	<0.050	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		18	20	0.124	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		21.4	15.8	0.062	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		79.3	96.2	0.161	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		119	135	0.347	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		992	2280	336	929	592	272	64
GRO	TPH 8015M		1710	2070	<10.0	n/a	n/a	n/a	n/a
DRO	TPH 8015M		8730	10400	<10.0	n/a	n/a	n/a	n/a
		Sample	SP3@1"	SP3 @ 3	SP3 @ 5'	SP3@8'	SP3 @ 11"	SP3 @ 12'	SP3 @ 13'
Analyte	Method	Date	7726/13	7726/13	7726/13	9/11/13	8/11/13	9/11/13	9/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		2.72	6.81	2.14	<0.050	<0.050	n/a	<0.050
Toluene	BTEX 8021B		23	44.9	17.4	<0.050	<0.050	n/a	<0.050
Ethylbenzene	BTEX 8021B		27.7	67.8	21.1	<0.050	<0.050	n/a	<0.050
Total Xylenes	BTEX 8021B		106	178	78.1	<0.150	<0.150	n/a	<0.150
Total BTEX	BTEX 8021B		159	297	119	<0.300	<0.300	n/a	<0.300
Chloride	SM4500CI-B		928	2160	926	768	592	288	80
GRO	TPH 8015M		1860	3530	1640	<10.0	<10.0	n/a	<10.0
DRO	TPH 8015M		8420	12000	7860	<10.0	<10.0	n/a	<10.0
The state	T. T.	Sample	SP4@1	SP4@3'	SP4 @ 5"	SP4 @ 8"	SP4 @ 11"	SP4 @ 12'	SP3 @ 13*
Analyte	Method	Date	7/26/13	7/26/13	7/26/13	9/11/13	8/11/13	9/11/13	9/11/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B	120 7-0	<0.200	<1.00	<1.00	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		0.612	5.27	5.02	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B	Trees, and	1.12	17.4	15.4	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B	A 150 A	6.91	8.99	61.8	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		8.64	89.5	82.2	n/a	n/a	n/a	n/a
Chloride	SM4500CI-B		809	1940	1960	800	528	288	64
GRO	TPH 8015M		194	971	51.1	n/a	n/a	n/a	n/a
000	TDH 8015M		21900	8900	540	n/a	n/a	2/4	ala

Laboratory Analytical Results Summary MLMU #247

		Sample	SP5@1"	SP5@3"	SP5@5'	SP5 @ 7"
Analyte	Method	Date	7729/13	7/29/13	7/29/13	9/13/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<.400	<0.050	<0.050	n/a
Toluene	BTEX 8021B		2.84	0.905	0.848	n/a
Ethylbenzene	BTEX 8021B		2.89	2.16	2.37	n/a
Total Xylenes	BTEX 8021B		41.7	9.46	9.61	n/a
Total BTEX	BTEX 8021B		47.4	12.5	12.8	n/a
Chloride	SM4500CI-B		1230	2440	2480	704
GRO	TPH 8015M		50.9	16.4	10.9	n/a
DRO	TPH 8015M		911	222	122	n/a

		Sample	SP6@1	SP6@3'	SP6 @ 5'	SP6@7
Analyte	Method	Date	7/29/13	7/29/13	7729/13	9/13/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.802	0.212	<0.050	n/a
Toluene	BTEX 8021B		3.09	2.17	0.35	n/a
Ethylbenzene	BTEX 8021B		22.9	4.67	0.765	n/a
Total Xylenes	BTEX 8021B		62.9	16.2	3.24	n/a
Total BTEX	BTEX 8021B		89.8	23.2	4.35	n/a
Chloride	SM4500CI-B		1250	2280	2320	432
GRO	TPH 8015M		305	27.3	<10.0	n/a
DRO	TPH 8015M		3290	354	128	n/a

		Sample	SP7 @ 1	SP7 @ 3'	SP7 @ 5'	SP7 @ 7"
Analyte	Method	Date	7/29/13	7/29/13	7729/13	9/13/13
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		0.636	0.243	0.124	n/a
Toluene	BTEX 8021B		3.07	2.02	1.7	n/a
Ethylbenzene	BTEX 8021B		24.3	7.8	6.94	n/a
Total Xylenes	BTEX 8021B		67.3	27.7	24.9	n/a
Total BTEX	BTEX 8021B		95.3	37.8	33.7	n/a
Chloride	SM4500CI-B		1140	2440	1920	720
GRO	TPH 8015M		261	38.2	34.8	n/a
DRO	TPH 8015M		3040	374	369	n/a



August 05, 2013

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 07/30/13 16:55.

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 accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keine

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

HOBBS OCD

FEB 07 2014

RECEIVED



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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 1' (H301799-01)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	08/01/2013	ND	1.99	99.6	2.00	0.870	
Toluene*	18.1	2.00	08/01/2013	ND	1.94	97.1	2.00	0.758	
Ethylbenzene*	21.8	2.00	08/01/2013	ND	2.02	101	2.00	1.31	
Total Xylenes*	86.6	6.00	08/01/2013	ND	6.10	102	6.00	1.72	
Total BTEX	127	12.0	08/01/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1860	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	9300	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	171	% 65.2-14	0	,					
Surrogate: 1-Chlorooctadecane	270	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

(575) 397-0397 Fax To:

Received: Reported: 07/30/2013

08/05/2013

Project Name: Project Number:

MLMU #247 NONE GIVEN JAL, NEW MEXICO

Project Location:

Sampling Type:

07/26/2013

Soil

Sampling Condition:

Sampling Date:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 3' (H301799-02)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.80	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	30.5	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	73.4	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	186	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	298	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	116	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3150	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	9910	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	176	% 65.2-14	0						- 1
Surrogate: 1-Chlorooctadecane	284	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Cool & Intact

NONE GIVEN

Sampling Condition:

Project Number: Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 5' (H301799-03)

BTEX 8021B	mg	/kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.482	0.200	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	3.00	0.200	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	8.46	0.200	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	24.5	0.600	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	36.4	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	146	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	317	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	2960	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	128	% 65.2-14	0					17 -	F _E .
Surrogate: 1-Chlorooctadecane	167	% 63.6-15	4						

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

Fax To: (575) 397-0397

Received:

07/30/2013 08/05/2013

Sampling Date: Sampling Type: 07/26/2013

Reported:

MLMU #247

Soil

Project Name: Project Number:

NONE GIVEN

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

Project Location:

JAL, NEW MEXICO

Sample ID: SP 2 @ 1' (H301799-04)

BTEX 8021B	mg/	kg	Analyze	d By: DW			_		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	18.0	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	21.4	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	79.3	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	119	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1710	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	8730	50.0	08/01/2013	ND	190	95.0	200	10.7	

Surrogate: 1-Chlorooctane 161% 65.2-140 Surrogate: 1-Chlorooctadecane 284% 63.6-154

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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 2 @ 3' (H301799-05)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	3.38	2.00	08/02/2013	ND	1.93	96.5	2,00	8.06	
Toluene*	20.0	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	15.8	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	96.2	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	135	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	2280	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	2070	50.0	08/01/2013	ND	183	91.5	200	10.9	
					190	95.0	200	10.7	

Surrogate: 1-Chlorooctadecane

308 %

63.6-154

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Celey D. Keene



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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247 NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number: Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 2 @ 5' (H301799-06)

BTEX 8021B	mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	0.124	0.050	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	0.062	0.050	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	0.161	0.150	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	0.347	0.300	08/02/2013	ND					

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	<10.0	10.0	08/01/2013	ND	190	95.0	200	10.7	

Surrogate: 1-Chlorooctane

87.0 %

65.2-140

Surrogate: 1-Chlorooctadecane

107%

63.6-154

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Celey D. Keene



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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 1' (H301799-07)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.72	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	23.0	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	27.7	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	106	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	159	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	121 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1860	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	8420	50.0	08/01/2013	ND	190	95.0	200	10.7	

Surrogate: 1-Chlorooctadecane

242 %

63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Fax To: (575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 3' (H301799-08)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	6.81	4.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	44.9	4.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	67.8	4.00	08/02/2013	. ND	1.98	99.0	2.00	8.72	
Total Xylenes*	178	12.0	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	297	24.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	2160	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	3530	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	12000	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	180 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	346 9	63.6-15	4						

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Celey D. Keena



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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 5' (H301799-09)

BTEX 8021B	mg,	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.14	2.00	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	17.4	2.00	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	21.1	2.00	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	78.1	6.00	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	119	12.0	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg,	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1640	50.0	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	7860	50.0	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	158	% 65.2-14	0						£1000
Surrogate: 1-Chlorooctadecane	228	% 63.6-15	4						

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

Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 4 @ 1' (H301799-10)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/02/2013	ND	1.93	96.5	2.00	8.06	
Toluene*	0.612	0.200	08/02/2013	ND	1.86	92.9	2.00	8.74	
Ethylbenzene*	1.12	0.200	08/02/2013	ND	1.98	99.0	2.00	8.72	
Total Xylenes*	6.91	0.600	08/02/2013	ND	5.80	96.7	6.00	9.06	
Total BTEX	8.64	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	125	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD -	Qualifier
Chloride	608	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS			<u> </u>	Julia.	S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	194	100	08/01/2013	ND	183	91.5	200	10.9	
DRO >C10-C28	21900	100	08/01/2013	ND	190	95.0	200	10.7	
Surrogate: 1-Chlorooctane	123 5	% 65.2-14	0	1.12				Y	
Surrogate: 1-Chlorooctadecane	953 9	% 63.6-15	4						

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Fax To: (575) 397-0397

Received:

07/30/2013

Sampling Date:

07/26/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

141%

279 %

65.2-140

63.6-154

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 4 @ 3' (H301799-11)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	5.27	1.00	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	17.4	1.00	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	66.8	3.00	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	89.5	6.00	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	126	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP		1			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1940	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	971	50.0	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	8900	50.0	08/02/2013	ND	191	95.6	200	3.53	

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Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

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Fax To: (575) 397-0397

Received: Reported: 07/30/2013 08/05/2013

MLMU #247

Project Number: Project Location:

Project Name:

NONE GIVEN JAL, NEW MEXICO Sampling Date:

07/26/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 5' (H301799-12)

BTEX 8021B	mg	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	5.02	1.00	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	15.4	1.00	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	61.8	3.00	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	82.2	6.00	08/02/2013	ND					

			d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1960	16.0	08/01/2013	ND	416	104	400	3.92	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
51.1	10.0	08/02/2013	ND	181	90.5	200	4.59	
540	10.0	08/02/2013	ND	191	95.6	200	3.53	
	Result 1960 mg, Result 51.1	mg/kg Result Reporting Limit 1960 16.0 mg/kg Result Reporting Limit 51.1 10.0	mg/kg Analyzed Result Reporting Limit Analyzed 1960 16.0 08/01/2013 mg/kg Analyzed Result Reporting Limit Analyzed 51.1 10.0 08/02/2013	Result Reporting Limit Analyzed Method Blank 1960 16.0 08/01/2013 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank 51.1 10.0 08/02/2013 ND	mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS 1960 16.0 08/01/2013 ND 416 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS 51.1 10.0 08/02/2013 ND 181	mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery 1960 16.0 08/01/2013 ND 416 104 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery 51.1 10.0 08/02/2013 ND 181 90.5	mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1960 16.0 08/01/2013 ND 416 104 400 Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 51.1 10.0 08/02/2013 ND 181 90.5 200	mg/kg Analyzed By: AP Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1960 16.0 08/01/2013 ND 416 104 400 3.92 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 51.1 10.0 08/02/2013 ND 181 90.5 200 4.59

Surrogate: 1-Chlorooctane

86.3 %

65.2-140

Surrogate: 1-Chlorooctadecane

110%

63.6-154

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

JAL, NEW MEXICO

Jodi Henson

Sample ID: SP 5 @ 1' (H301799-13)

BTEX 8021B	mg	/kg	Analyze	ed By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.400	0.400	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	2.84	0.400	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	2.89	0.400	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	41.7	1.20	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	47.4	2.40	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	149	% 89.4-12	6						
Chloride, SM4500CI-B	mg	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	50.9	10.0	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	911	10.0	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	73.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.9	% 63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Project Name:

MLMU #247

Sampling Type:

Soil

Project Number:

NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

JAL, NEW MEXICO

Sample Received By: Jodi Henson

Sample ID: SP 5 @ 3' (H301799-14)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	0.905	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	2.16	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	9.46	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	12.5	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	212 5	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	16.4	10.0	08/01/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	222	10.0	08/01/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	90.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 5 @ 5' (H301799-15)

BTEX 8021B	mg/kg		Analyzed By: DW					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	0.848	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	2.37	0.050	08/02/2013	ND	2.29	114	2.00	4.01	*
Total Xylenes*	9.61	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	12.8	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	216 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.9	10.0	08/01/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	122	10.0	08/01/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	87.7	% 65.2-14	0	1					
Surrogate: 1-Chlorooctadecane	108 9	% 63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 6 @ 1' (H301799-16)

BTEX 8021B	mg	/kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.802	0.200	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	3.09	0.200	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	22.9	0.200	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	62.9	0.600	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	89.8	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	200	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	08/01/2013	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	305	100	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	3290	100	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	104	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	125	% 63.6-15	4						

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Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Project Name:

MLMU #247 NONE GIVEN Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 6 @ 3' (H301799-17)

BTEX 8021B	mg	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.212	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	2.17	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	4.67	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	16.2	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	23.2	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	240	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	08/01/2013	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	27.3	10.0	08/01/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	354	10.0	08/01/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	92.1	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113	% 63.6-15	4						

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Fax To:

(575) 397-0397

Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Type:

Cool & Intact

Project Number:

NONE GIVEN

Sampling Condition:

2-di H

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 6 @ 5' (H301799-18)

BTEX 8021B	mg/	kg	Analyze	ed By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	0.350	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	0.765	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	3.24	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	4.35	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	154 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	08/01/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/01/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	128	10.0	08/01/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	84.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	105 9	63.6-15	4						

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Celey D. Keens



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

Fax To: (575) 397-0397

Received:

07/30/2013

Sampling Date:

07/29/2013

Reported:

08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 7 @ 1' (H301799-19)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.636	0.200	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	3.07	0.200	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	24.3	0.200	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	67.3	0.600	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	95.3	1.20	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	214 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	08/01/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	261	100	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	3040	100	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	96.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	120 9	63.6-15	4						

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

Fax To:

(575) 397-0397

Received: Reported: 07/30/2013

08/05/2013

Project Name: Project Number: MLMU #247 NONE GIVEN JAL, NEW MEXICO

Project Location:

Sampling Date:

07/29/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 7 @ 3' (H301799-20)

BTEX 8021B	mg	/kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.243	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	2.02	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	7.80	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	27.7	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	37.8	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	306	% 89.4-12	6						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	08/01/2013	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	38.2	10.0	08/01/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	374	10.0	08/01/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	89.0	% 65.2-14	0						100
Surrogate: 1-Chlorooctadecane	108	% 63.6-15	4						

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Celey D. Keine



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

Fax To:

(575) 397-0397

Sampling Date:

07/29/2013

Received: Reported:

07/30/2013 08/05/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 7 @ 5' (H301799-21)

BTEX 8021B	mg/	kg	Analyze	d By: DW					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.124	0.050	08/02/2013	ND	2.21	110	2.00	4.37	
Toluene*	1.70	0.050	08/02/2013	ND	2.16	108	2.00	4.56	
Ethylbenzene*	6.94	0.050	08/02/2013	ND	2.29	114	2.00	4.01	
Total Xylenes*	24.9	0.150	08/02/2013	ND	6.88	115	6.00	3.56	
Total BTEX	33.7	0.300	08/02/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	3169	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	08/01/2013	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	34.8	10.0	08/02/2013	ND	181	90.5	200	4.59	
DRO >C10-C28	369	10.0	08/02/2013	ND	191	95.6	200	3.53	
Surrogate: 1-Chlorooctane	92.2	% 65.2-14	0						10
Surrogate: 1-Chlorooctadecane	113 9	63.6-15	4						

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Celey D. Keene



Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance ND Analyte NOT DETECTED at or above the reporting limit Relative Percent Difference RPD Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. *** Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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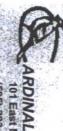
Celey D. Keene

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One)	Reilinguished By:	Dr Jeanna	Relinquished By:	analysis, for its colonity for being a colonies and any other car analysis. All claims, including those for negligence and any other car service. In to given shall Cardinal he lattle for incidental or correspond	OSPUDI		50 8	SPS	6 05	5	4 SD201	3	2 1 63	- 1500	H3501799	Lab I.D. Sample I.D.		FOR LAB USE ONLY	Sampler Name: WOUNT	Project Location:	Project Name: ML/MA :	Project #	Phone #: 575-397-6388	city. Hobbs	D. Box 8	Project Manager: Cliff Brunson	Company Name: BBC International, Inc.
	Date:	100 P	Date:	cong whatsoever shall be deemed special damages, including without						3, 11						D.	The second secon		TRUMPILIAN S		+ 1/1	Project Owner:	Fax #: 575-	State: NM			al Inc.
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1 Cardinal cannot accept verbal changes. Please fax written changes to 505-39.



ARDINAL LABORATORIES 101 East Mariand, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BBC International, Inc. Cliff Brunson Box 805 State: N 397-6388 Fax #: 1 Project On MUMU # 24 Cliff Brunson Sample I.D. SAFEE HERMAN SAFEE I' SAFEE	Sample I.D. Sampl	W. C.	2												T	(Ірміа)	CHE .	9	le Cond	Camp	0	= -	Time:	Delivered By: (Circle One)	Ву: (С	Delivered By:	cle One)
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** BBC International, Inc. ** Coliff Enunson ** State** NM Zip: 88241 ** Box 805 ** State** NM Zip: 88241 ** After:	(505) 393-2326 FAX (505) 393-2476 IN BBC International, Inc. Sample I.D. Sample										7	1	6	325	2 619	7.2	1	11.	7		\	P		5	2	_	4
** BBC International, Inc. ** Coliff Brunson ** Coliff Brunson ** State: NM Zip: 88241 ** State: NM Zip: 88241 ** State: NM Zip: 88241 ** Address: ** DIS-397-0397 ** Address: ** DIM: ** D	(905) 393-2326 FAX (505) 393-2476 *** BBC International, Inc. *** BBC International, Inc. *** State: NM Zip: 88241 Auto: *** Cliff Brunson *** Box 805 *** State: NM Zip: 88241 Auto: *** Available Company: *** State: NM Zip: 88241 Auto: *** Auto: *** Available Company: *** State: NM Zip: 88241 Auto: *** Available Company: *** Available Company:		A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			1	7			11.000	1	1	1	85	6.13 2	77	7		1		/	0		00	<u></u>		00
** BBC International, Inc. **Coliff Brunson **Coliff Brunson **Coliff Brunson **Box 805 **State: NM Zip: 88241	(505) 393-2336 FAX (505) 393-2476 **BBC International, Inc. **BBC International, Inc. **Box 805 **State: NM Zip: 88241 **Attn: **Project Owner: OXY **Project Owner: OXY **Project Owner: OXY **Project Owner: OXY **Phone #: *					. : .	V			-	E	1	C	TIME		19/3	ICE/C	OTHE	OIL	WAST	#CON	(G)RAI			Φ.	30179	
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## BBC International, Inc. ## Cliff Brunson ## Company: ## Company:	(505) 393-2326 FAX (505) 393-2476 (Company: (Company:		,	- "			_		-		X.	-	2	Sancassis	AMPLING	7/01	RESE	- 2	ATRIX	M	3 43	P		1.	4)	IVB USE ON	1 0 1
## BBC International, Inc. ## ANALYSIS REQUEST ## Cliff Brunson ## Company: Company:	## BBC International, Inc. ## Cliff Brunson State: NM Zip: 88241 Attn: State: NM Fo. # Analysis Request Company: Company: Analysis Request Company: Company: Address: Attn: Attn: Analysis Request State: NM Zip: 88241 Attn: Attn: Analysis Request State: NM Zip: 88241 Attn: Analysis Request State: NM Zip: 88241 Analysis Request Company: Company: Company:		**	9	-		_		,	,		-	L				*	Fax				12	ERRAGIN		ne:	pler Nar	
*** BBC International, inc. ***Cliff Brunson ***Box 805 ***Box 805 ***State: NM Zip: 88241 ***Attn: ***397-6388 Fax#: 575-397-0397 ***Project Owner: OXY ***Project Owner: OXY ***State: Zip: ***AMALYSIS REQUEST ***ANALYSIS REQUEST ***ANALYSIS REQUEST ***Company: ***Company: ***Company: ***Actin: ***Address:\(\timess:\liminstyle{\text{Attn:}}\) ***Address:\(\timess:\liminstyle{\text{Attn:}}\) ***MLMU # 247 ***State: Zip:	## Sec Fax (505) 393-2476 ## BBC International, Inc. ## Cliff Brunson ## Box 805 ## State: NM zip: 88241 ## State: NM zip: 88241 ## Project Owner: 0/4 ## State: Zip: ## State: Zip: State: Zip:	- 7	+						_	-	2	7	E	26			ne #:	Pho						,	tion:	ect Loca	
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ne: BBC International, Inc. P.O.#: ANALYSIS REQUEST	(505) 393-2326: FAX (505) 393-2476 No. BBC International, Inc. P.O.#: Cliff Brunson D. Box 805 State: NM Zip: 88241 Attn:	1		74			-	7	+		,	De.		16	1	9	ress:	Add		7	7-039	5-39			5-397	ne#: 5/	
BBC International, Inc. P.O.#. ANALYSIS REQUEST	(505) 393-2326 FAX (505) 393-2476 BBC International, Inc.	100	17		- 1					17.		A.	200	100		1		Atto		241		11	State: NM	Showing to	S	Hobb	S. S
ame): BBC International, Inc. B.o.#: BIC International, Inc. ANALYSIS REQUEST: B.o.#: B.o.#: BIC International, Inc.	(505) 393-2326 FAX (505) 393-2476 Proper BBC International, Inc. ### BBC International, Inc. ### BBC Cliff Brunson ### Brunson	- 0	4					1	-					2 3	100000000000000000000000000000000000000	S. S	npany	Con	**					× 805	O Bo	ress: P	805
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Refinquished By	T)	Relinquished By:	analyses, All claims including service. In no event shall Calc	PLEASE NOTE: Uability and Day								2	Lab I.D. H301799		Sampler Name:	Project Location:	Project Name:	Project #:	Phone #: 575-397-6388	city. Hobbs	Address: P.O. Box 805	Project Manager: Cliff Brunson	Company Name:	
(Circle One) Bus - Other:		Grand -	V V	e for repligance and the lable for incident of or indiced to the or	nages: Cardinal's liab							1	30L03	Sample I.D.		1 legice)	MUMU	NI.	97-6388		Box 805	Cliff Brunson	BBC International,	505) 393-2326 FAX (505) 393-2476
	Date:	J. S. Co.	Date:	cause whatsower shall be desired quertal darneges, including without of services harmunder by Cardinal	illy and client's exclusive nimedy for any claim									.D.		13 Charde	1	# 241	Project Owner:	Fax #: 575	State: NM			al, Inc.	((505) 393-247
40 Sample	Regelved By:	apple	Received By:		affeing wheth								7	(G)RAB OR (I # CONTAINE GROUNDWA WASTEWATE SOIL	RS TER R	MATRIX		0	DXA	575-397-0397	Zip: 88241	y.			6
Condition CHECKED BY:		Spenson	Constitution of the Consti	willing and received by Carolinal within 30 days a myphora, loss of use, or loss of profits incurried by the days is based upon any of the above stated on the days in the day	or based in contract or fort, shall be analied to the ancions paid by the client for the	24			(1) (1) (1) (1) (1)		(A)	7/8/10	- A	OIL SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: DATE		RIX PRESERV SAMPLING	Phone #:	State: Zip:	City: OF	Address: \	Attn:	Company:	P.O.#	ON THE RICH STATES	一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一
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Page 26 of 26



September 20, 2013

HOBBS OCD

Cliff Brunson

FEB 0 7 2014

BBC International, Inc.

RECEIVED

P.O. Box 805

Hobbs, NM 88241

RE: MLMU #247

Enclosed are the results of analyses for samples received by the laboratory on 09/16/13 16:20.

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/ga/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.

Celeg D. Keens

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Fax To:

(575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

JAL, NEW MEXICO

Jodi Henson

Sample ID: SP 1 @ 8' (H302231-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	< 0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	< 0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS			11.01.	12.14	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	
Surrogate: 1-Chlorooctane	1169	65.2-14	0				1 5 F	- 7	- 41
Surrogate: 1-Chlorooctadecane	123 5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene



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

Fax To: (575) 397-0397

Received:

09/16/2013 09/20/2013 Sampling Date: Sampling Type: 09/11/2013

Reported:

MLMU #247

Soil

Project Name: Project Number:

NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID; SP 1 @ 11' (H302231-02)

-	-	-	24	-
BI	EX	80	21	в
				_

BTEX 8021B	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2,00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	< 0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	< 0.300	0.300	09/19/2013	ND					

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	

ND

189

94.7

200

2.84

09/18/2013

Surrogate: 1-Chlorooctane

DRO >C10-C28

102 %

<10.0

65.2-140

10.0

Surrogate: 1-Chlorooctadecane

109 %

63.6-154

Sample ID: SP 1 @ 12' (H302231-03)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/18/2013	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Fax To:

(575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 1 @ 13' (H302231-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	< 0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	< 0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL

112%

89.4-126

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane

118%

65.2-140

Surrogate: 1-Chlorooctadecane

124%

63.6-154

Sample ID: SP 2 @ 8' (H302231-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					H 1
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	09/18/2013	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keena



BBC International, Inc.

Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To:

(575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 2 @ 11' (H302231-06)

hloride, SM4500CI-B	mg/kg
morrade or reserve	1119/119

			-							
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		592	16.0	09/18/2013	ND	416	104	400	3.77	

Analyzed By: AP

Sample ID: SP 2 @ 12' (H302231-07)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/18/2013	ND	416	104	400	3.77	

Sample ID: SP 2 @ 13' (H302231-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/18/2013	ND	416	104	400	3.77	

Cardinal Laboratories

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Celey D. Keine



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

Fax To: (575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 8' (H302231-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	<0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	
Surrogate: 1-Chlorooctane	1145	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	124	% 63.6-15	4						

*=Accredited Analyte Cardinal Laboratories

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Celey D. Keine



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

Fax To:

(575) 397-0397

Received:

09/16/2013

Sampling Date:

09/11/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name:

MLMU #247

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

119 %

128 %

65.2-140

63.6-154

Sample Received By:

Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 3 @ 11' (H302231-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	< 0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	< 0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 9	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP					1-7	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	592	16.0	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

Sample ID: SP 3 @ 12' (H302231-11)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/18/2013	ND	416	104	400	3.77	

Cardinal Laboratories

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keine



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

Fax To: (575) 397-0397

Received:

09/16/2013 09/20/2013 Sampling Date:

09/11/2013

Reported:

MLMU #247

Sampling Type:

Soil

Project Name: Project Number: NONE GIVEN

Sampling Condition:

Cool & Intact

Project Location:

JAL, NEW MEXICO

Sample Received By:

Jodi Henson

Sample ID: SP 3 @ 13' (H302231-12)

ы	EX	80	21	b
_	_	_	_	-

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2013	ND	1.85	92.3	2.00	11.7	
Toluene*	< 0.050	0.050	09/19/2013	ND	1.86	93.0	2.00	10.4	
Ethylbenzene*	<0.050	0.050	09/19/2013	ND	1.91	95.4	2.00	10.8	
Total Xylenes*	<0.150	0.150	09/19/2013	ND	5.75	95.8	6.00	10.2	
Total BTEX	<0.300	0.300	09/19/2013	ND					
and the second second									

Surrogate: 4-Rromofluorohen-ene (PII)

107 %

89.4-126

Sarroguic. V Dromojinorovenzene (1 12	4.07								
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	09/18/2013	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/18/2013	ND	198	99.1	200	0.103	
DRO >C10-C28	<10.0	10.0	09/18/2013	ND	189	94.7	200	2.84	

Surrogate: 1-Chlorooctane

122 %

65.2-140

Surrogate: 1-Chlorooctadecane

131%

63.6-154

Sample ID: SP 4 @ 8' (H302231-13)

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	09/18/2013	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



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

Fax To: (575) 397-0397

Received:

09/16/2013 09/20/2013 Sampling Date:

09/11/2013

Reported:

MLMU #247

Sampling Type: Sampling Condition: Soil

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Cool & Intact Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 4 @ 11' (H302231-14)

Chloride, Sh	44500CI-	В
--------------	----------	---

Analyzed By: AP

		Analyte

Chloride

Reporting Limit Result 528

16.0 09/18/2013 Method Blank ND

BS 416

BS

% Recovery 104

True Value QC

400

RPD

3.77

RPD

Qualifier

Sample ID: SP 4 @ 12' (H302231-15) Chloric

de, SM4500CI-B	mg/kg

AI	ıaı	yz	ea	Dy	•	AP

CONTRACTOR OF THE CONTRACTOR O				
Analyte	Result	Reporting Limit	Analyzed	

Method Blank

% Recovery

True Value QC

Qualifier

Chloride 288 16.0 09/18/2013 ND 416 104 400 3.77

Analyzed

Sample ID: SP 4 @ 13' (H302231-16)

Chloride.	SM4500CI-R	

Analyte

Analyte

Analyte

Analyzed By: AP

Analyzed

Method Blank

ND

Method Blank

ND

BS

True Value QC

Qualifier

Chloride

Result 64.0

Reporting Limit 16.0 09/17/2013

ND

416

% Recovery 104

Sample ID: SP 5 @ 7' (H302231-17)

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: AP

400

RPD 3.77

Chloride, SM4500CI-B

mg/kg

Result

704

Result

432

Analyzed

09/17/2013

Analyzed

09/17/2013

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

Chloride

416

416

104

% Recovery

104

400

3.77

Sample ID: SP 6 @ 7' (H302231-18)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

True Value QC

400

RPD

3.77

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keens



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

(575) 397-0397 Fax To:

Received:

09/16/2013

Sampling Date:

09/13/2013

Reported:

09/20/2013

Sampling Type:

Soil

Project Name: Project Number: MLMU #247 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Location:

JAL, NEW MEXICO

Sample ID: SP 7 @ 7' (H302231-19)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

16.0

Reporting Limit

Method Blank

BS 416 % Recovery

True Value OC

Oualifier

Chloride

720

09/17/2013

Analyzed

ND

104

400

RPD

3.77

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 10 of 13

*=Accredited Analyte



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUES

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† Cardinal cannot accept verbal changes. Please fax written changes to 505:393-2位6 中分

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

Page 12 of 13



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Sampler - UPS - Bus - Other

Page 13 of 13

Leking, Geoffrey R, EMNRD

From:

Cliff P. Brunson <cbrunson@bbcinternational.com>

Sent:

Tuesday, September 11, 2012 8:01 PM

To:

Leking, Geoffrey R, EMNRD

Cc:

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

Subject:

Oxy - MLMU #247

Attachments:

Remediation Packet- MLMU #247 - 2.pdf

Geoff,

This e-mail is to confirm our discussion on August 31, 2012 concerning the remediation plan for the release that occurred at the Oxy MLMU #247. As agreed, Oxy will excavate 3 feet in the areas covered by SP1 and SP3 as depicted on the attached site diagram and then place a compacted clay liner in the excavation and backfill with clean soil. The area around SP2 has already been remediated. The depth to groundwater is this area is approximately 100 feet.

I have attached the site drawing and the summary of the laboratory data we reviewed during our discussion for your files. If you would please reply back via e-mail with your concurrence of this remediation plan, it would be greatly appreciated.

Oxy and I thank you for your assistance in handling this matter.

Thanks, Cliff

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

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Groundwater Plot

Oxy MLMU #247

County Lea County Unit Letter

Section

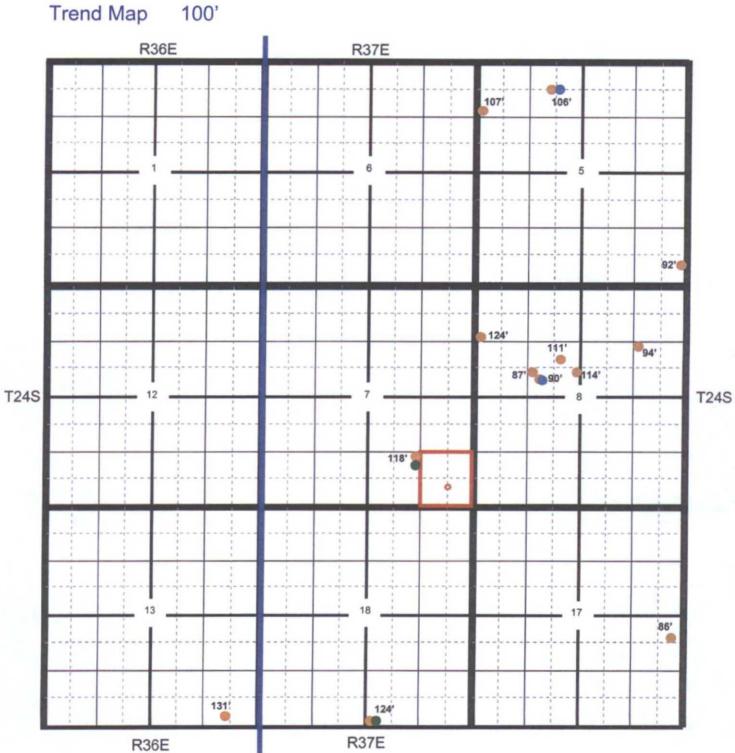
Township 248

USGS
 SEO
 All Databases

Range 37E

Location

OCD





Section Quarters

Oxy MLMU #247

CountyUnit LetterSectionTownshipRangeLea CountyP724S37E

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
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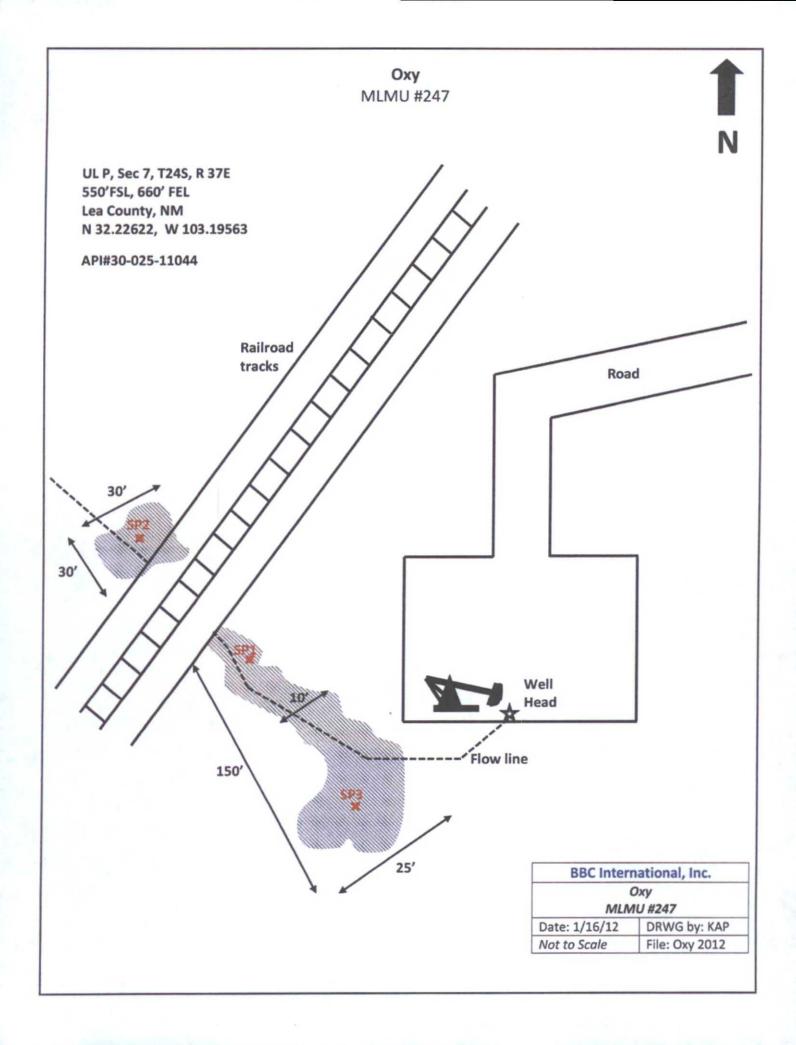
Location

OCD

USGS

SEO

All Databases



Laboratory Analytical Results Summary OXY, MLMU #247

		Sample	SP1 @	SP1 @ 2'	SP1 @ 5'	SP1 @ 8'	SP2 @ SURFACE	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	5/11/12	5/11/12	5/11/12	5/11/12	5/11/12	5/11/12	5/11/12
- W			mg/Kg	mg/Kg	mg/Kg	eX/6m	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.212	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Chloride	SM4500CI-B		2480	1180	752	2440	32	32	32
GRO	TPH 8015M		22.5	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		3380	103	218	140	89.4	<10.0	<10.0

		Sample	SP1 @ 11'	SP1 @ 14'	SP1 @ 17"	SP3 @ SURFACE	SP3 @ 2'	SP3 @ 5'	SP3 @ 8'	SP3 @ 11'	SP3 @ 14'	SP3 @ 17
Analyte	Method	Date	5/18/12	5/18/12	5/18/12	5/18/12	5/18/12	5/18/12	5/18/12	5/21/12	5/21/12	5/21/1/2
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	0.098	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	0.193	<0.050	<0.050	0.145	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	2.79	<0.150	<0.150	0.465	<0.150	<0.150
Chloride	SM4500CI-B		1650	2000	1650	176	752	1600	2040	1500	1470	1700
GRO	TPH 8015M		<10.0	<10.0	<10.0	<50.0	328	<10.0	<10.0	33.8	<10.0	<10.0
DRO	TPH 8015M		<10.0	26.8	53.6	7810	9050	15.8	84.8	813	47.2	24.3

		Sample	SB1 @ 20'	SB1 @ 30,	SB1 @ 40'	SB1 @ 50'	SB2 @ 20'	SB2 @ 25'
Analyte	Method	Date	6/26/12	6/26/12	6/26/12	6/26/12	6/26/12	6/26/12
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		1640	1280	400	32	320	80