Bratcher, Mike, EMNRD

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

Sunday, September 18, 2011 4:40 PM Sent:

Bratcher, Mike, EMNRD To:

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

Subject: Oxv-Federal 26 #3

Attachments: Oxy Federal 26 #3-Site drawing and lab data.pdf; Oxy Federal 26 #3-Site pictures.pdf

Follow Up Flag: Follow up Flag Status:

Flagged

Mike,

This e-mail is to confirm our discussion on September 13, 2011 concerning the remediation plan for the release that occurred at the Oxy Federal 26 #3. As agreed, Oxy will excavate 2 feet of the impacted soil in the spill area and go deeper in the area of SP-4 to get below the 1,000 ppm chloride level. A confirmation sample will be collected in the area of SP-4 which will be analyzed for chloride to verify the levels are below 1,000 ppm per the NMOCD's request. The excavation will then be backfilled with clean soil. The depth to groundwater is this area is approximately 125 feet.

I have attached the site drawing and laboratory data and a few pictures that 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.

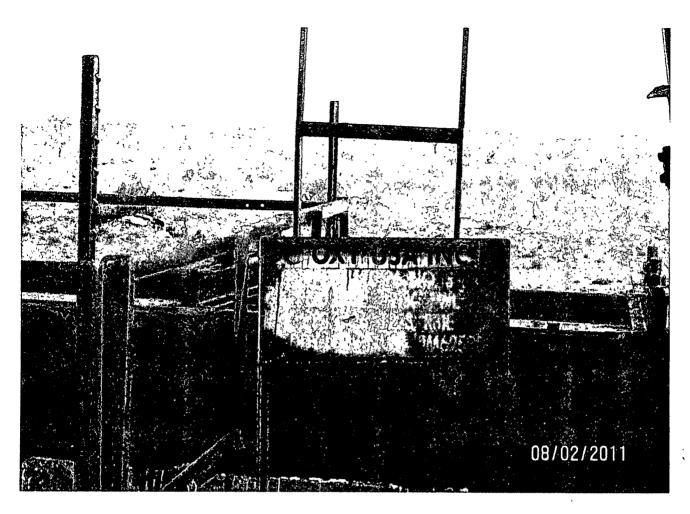
Oxy and I thank you for your assistance in handling this matter.

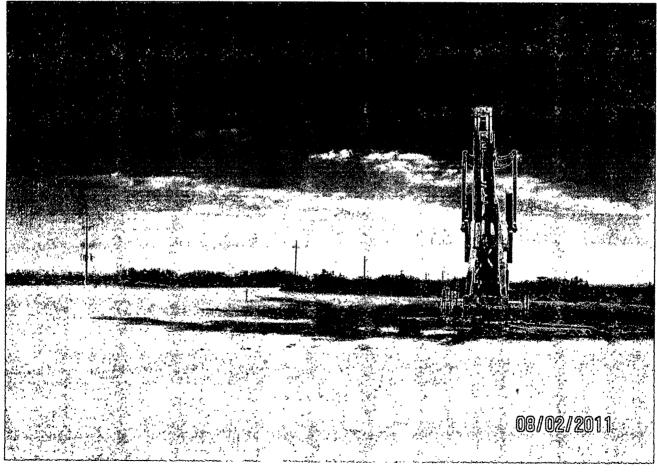
Thanks, Cliff

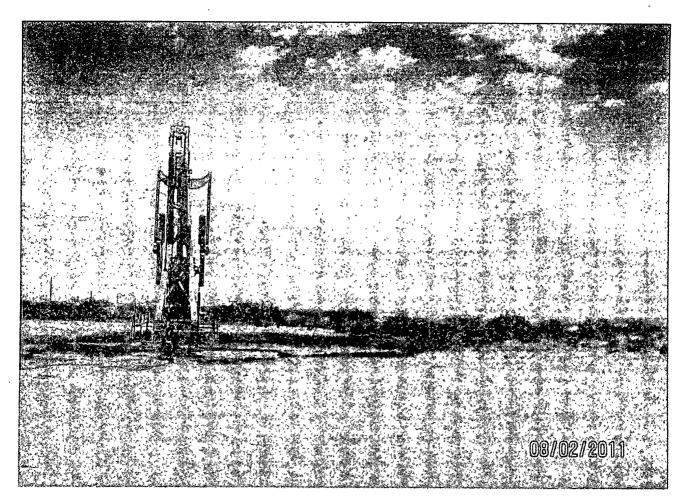
Cliff Brunson, CEI, CRS BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397

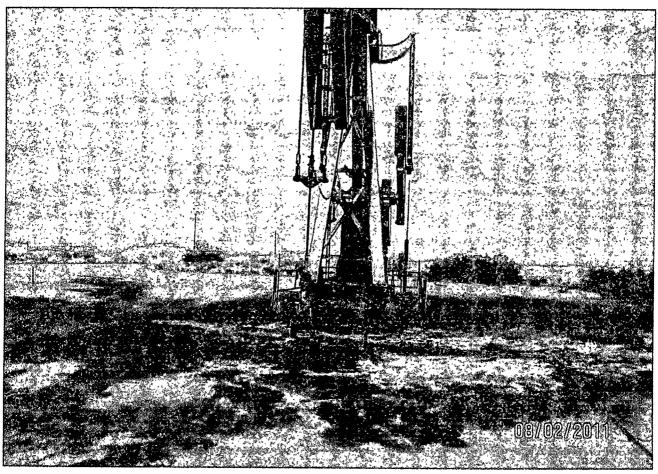
E-Mail cbrunson@bbcinternational com

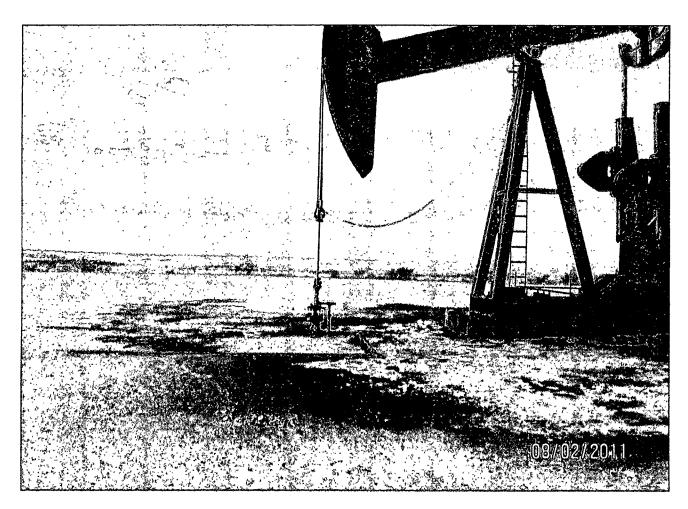
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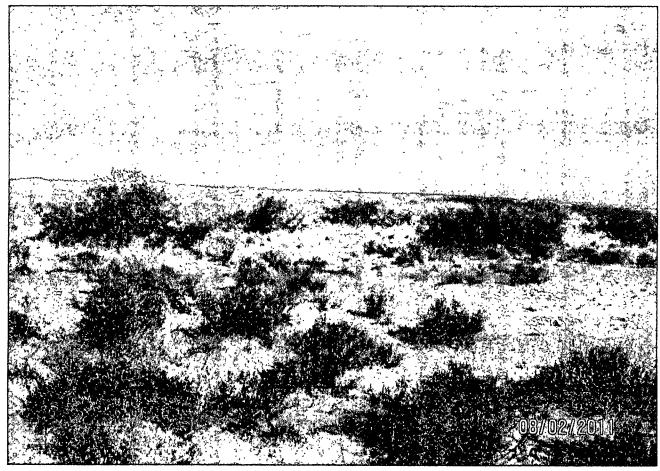


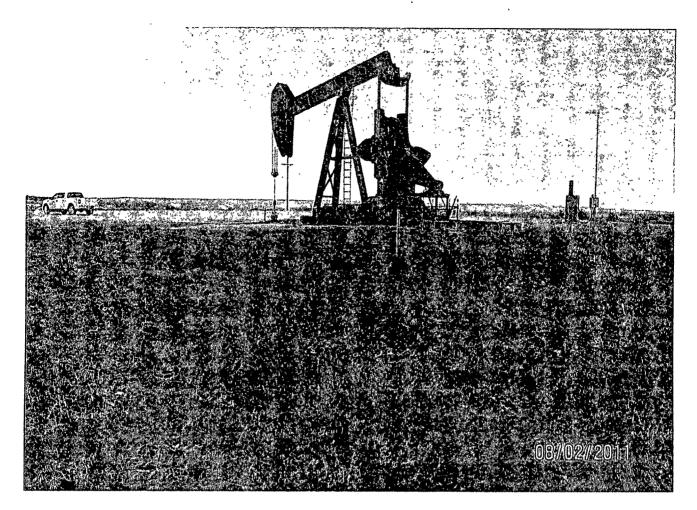




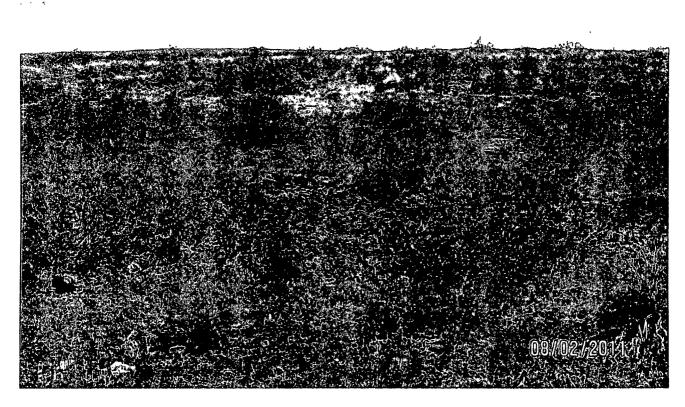


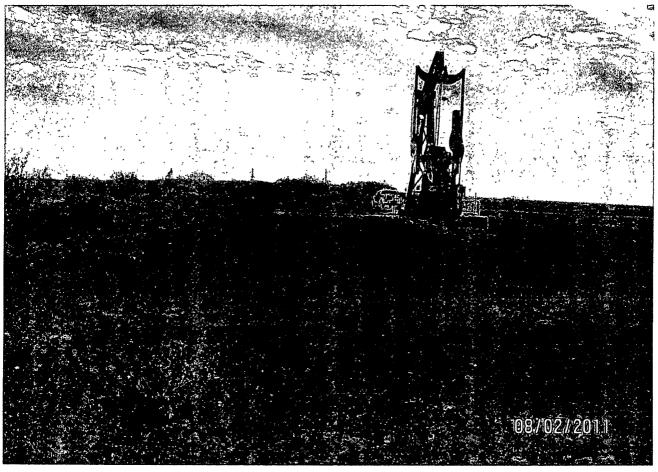


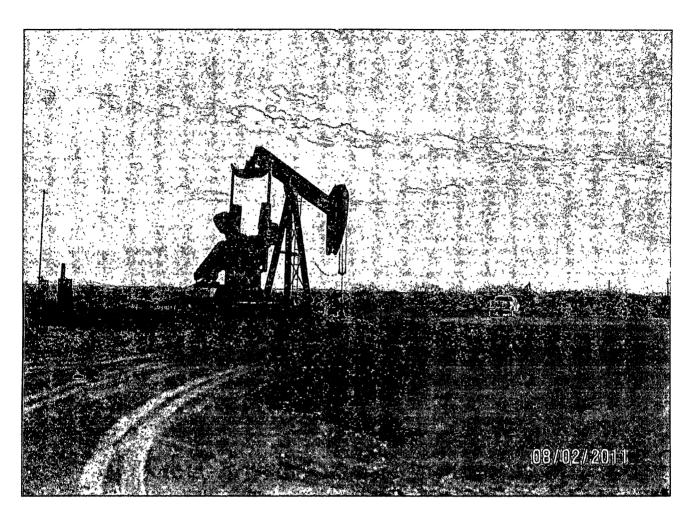


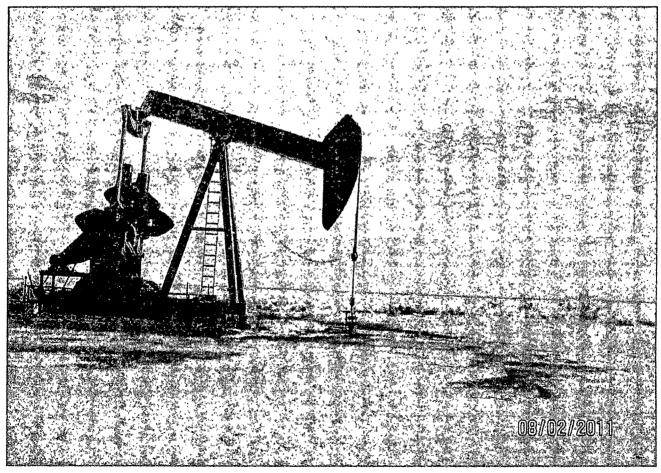




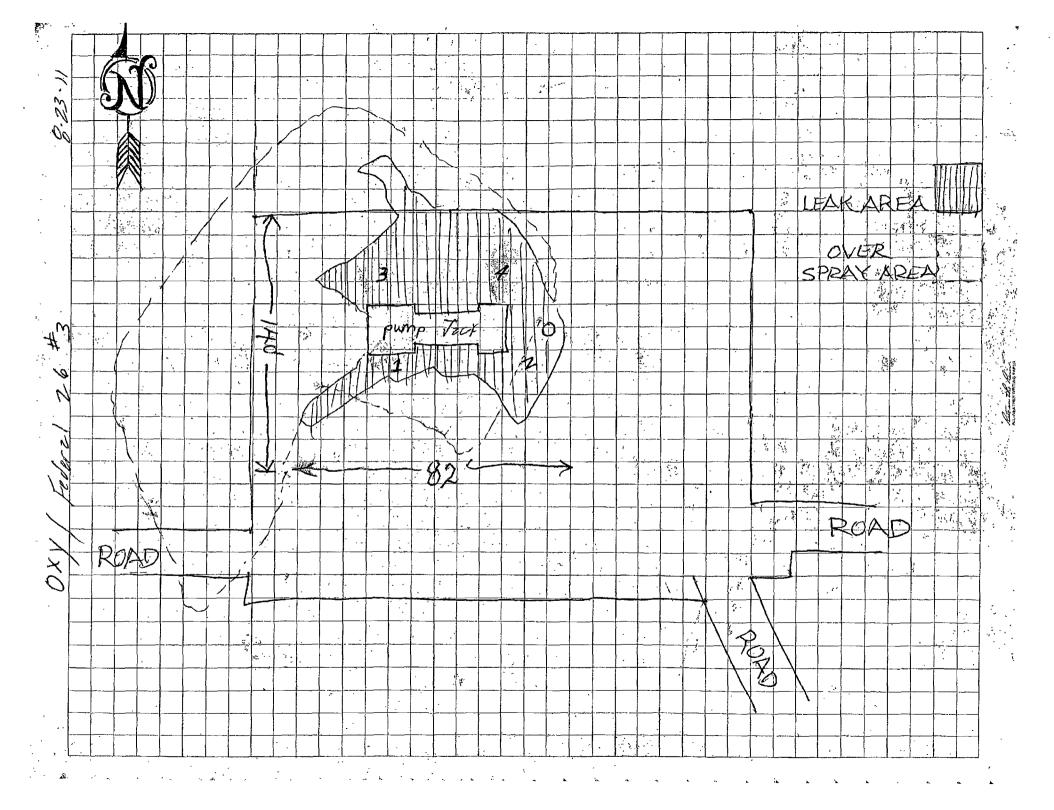














August 30, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 26 #3

Enclosed are the results of analyses for samples received by the laboratory on 08/25/11 11:05.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydorcarbons

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

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

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

Accreditation applies to public drinking water matrices.

Celeg & 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: (505) 397-0397

Received:

08/25/2011

Sampling Date:

08/23/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

HALFWAY, NM

Sample ID: SP 1 @ 1 FT (H101800-01)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	1169	64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	. RPD	Qualifier
GRO C6-C10 .	<10.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	40.9	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane	80.3	% 55.5-15	4					<u> </u>	
Surrogate: 1-Chlorooctadecane	88.3	% 57.6-15	8			÷			

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*=Accredited Analyte

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Celey D. Keene



BBC International, Inc.

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

Fax To:

(505) 397-0397

Received:

08/25/2011

Sampling Date:

08/23/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3 NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact

Project Number: Project Location:

HALFWAY, NM

Jodi Henson

Sample ID: SP 2 @ 1 FT (H101800-02)

BTEX 8021B	mg/	kg	Analyze	d By: CMS		,			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	1149	% 64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	<10.0	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane	85.1 9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	93.3	% 57.6-15	8						

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*=Accredited Analyte

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Celey & Keine



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

(505) 397-0397 Fax To:

Received:

08/25/2011

Sampling Date:

08/23/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

HALFWAY, NM

Sample ID: SP 3 @ 1 FT (H101800-03)

BTEX 8021B	mg/	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS.	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	0.064	0.050	08/29/2011	ND	2.01	100	2.00	8:14	
Total Xylenes*	0.197	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	120	% 64.4-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	15.0	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	202	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: 1-Chlorooctane	82.6	% 55.5-15	4						*******
Surrogate: 1-Chlorooctadecane	90.6	% 57.6-15	8						

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Celeg D. Keine



BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

08/25/2011

Sampling Date:

08/23/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN HALFWAY, NM Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 1 FT (H101800-04)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					· · · · · · · · · · · · · · · · · · ·
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.0 1	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluoroberzene (PIL	118 9	% 64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP				<u>, </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	08/25/2011	ND	432	108	400	0.00	
ТРН 8015М	mg/	kg	Analyze	d By: ab				****	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14.1	10.0	08/27/2011	ND	202	101	200	0.963	
DRO >C10-C28	117	10.0	08/27/2011	ND	173	86.4	200	1.30	
Surrogate: I-Chlorooctane	78.7	% 55.5-15	1						******
Surrogate: 1-Chlorooctadecane	86.5	% 57.6-15	8						

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Celeg & Keene



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

Fax To:

(505) 397-0397

Received:

08/25/2011

Sampling Date:

08/24/2011

Reported:

08/30/2011 FEDERAL 26 #3

Sampling Type: Sampling Condition: Soil

Project Name: Project Number:

NONE GIVEN

Sample Received By:

Cool & Intact Jodi Henson

Project Location:

Surrogate: 1-Chlorooctadecane

HALFWAY, NM

95.2 %

57.6-158

Sample ID: SP 1 @ 2 FT (H101800-05)

BTEX 8021B	mg/	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	120	% 64.4-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed ,	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg,	kg	Analyze	d By: ab				_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28	<10.0	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: 1-Chlorooctane	89.3	% 55.5-15	4						

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Celeg D. Kura



BBC International, Inc.

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

Fax To: (505) 397-0397

Received:

08/25/2011

Sampling Date:

08/24/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

HALFWAY, NM

Sample ID: SP 1 @ 3 FT (H101800-06)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	117 9	64.4-13	4						
Chloride, SM4500Cl-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	08/25/2011	ИD	432	108	400	0.00	
TPH 8015M	mg/	kg	·Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	14.3	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28	30.4	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: 1-Chloroociane	90.3	% 55.5-15	4	,					
Surrogate: 1-Chlorooctadecane	92.2	% 57.6-15	8						

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Celey D. Keena



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

Fax To:

(505) 397-0397

Received:

08/25/2011

Sampling Date:

08/24/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

HALFWAY, NM

Sample ID: SP 2 @ 2 FT (H101800-07)

BTEX 80218	mg/	kg	Analyze	d By; CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	. 0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	118 9	% 64.4-13	4		-	•			
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	` Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28	<10.0	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: 1-Chlorooctane	82.8	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	81.9	% 57.6-15	8						

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Celey D. Keene



BBC International, Inc.

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

(505) 397-0397

Received:

08/25/2011

Sampling Date:

08/24/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3 NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number: Project Location:

HALFWAY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 2 @ 3 FT (H101800-08)

BTEX 8021B	mg/	kg	Analyze	d By: CMS	<u> </u>		···		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050 ,	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	0.208	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	120 9	6 64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP	~~~·	······································			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28	<10.0	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: 1-Chlorooctane	92.5	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	91.89	% 57.6-15	8						

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PLEASE NOTE: Unablity and Carmina's Rebling and client's exclusive remety for any claim arising, whether based in contract or toxt, shall be limited to the amount paid by clunt (or analyses. All claims, including those for negligence and any other cause whatesome shall be deemed waved unless inade in vetting 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 intribution, business interruptions, loss of use, or loss of profits inclumed by claims, a silabeliance, a silabeliance, a silabeliance or sincessors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims to solve states controlled whether solves states controlled and the solves states of the services hereunder by Cardinal, regardless of whether such

Celey D. Keene



BBC International, Inc.

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

Fax To: (505) 397-0397

Received:

08/25/2011

Sampling Date:

08/24/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3 NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact

Project Number: Project Location:

HALFWAY, NM

Jodi Henson

Sample ID: SP 3 @ 2 FT (H101800-09)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	1179	64.4-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	08/25/2011	ИD	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28	<10.0	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: 1-Chlorooctane	87.9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	92.1	% 57.6-15	8						

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Fax To: (505) 397-0397

Received:

08/25/2011

Reported: Project Name: 08/30/2011 FEDERAL 26 #3

Project Number: Project Location: NONE GIVEN HALFWAY, NM Sampling Date:

08/24/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson .

Sample ID: SP 3 @ 3 FT (H101800-10)

BTEX 8021B	mg/	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	116	% 64.4-13	4				-		
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28 ·	<10.0	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: 1-Chlorooctane	95.7	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	97.8	% 57.6-15	8						

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(505) 397-0397 Fax To:

Received:

08/25/2011

Sampling Date:

08/24/2011

Reported:

08/30/2011

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3 NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number: Project Location:

Sample Received By:

Jodi Henson

HALFWAY, NM

Sample ID: SP 4 @ 2 FT (H101800-11)

BTEX 8021B	mg/	'kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifiei
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	< 0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	<0.050	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	<0.150	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluoroberzene (PIL	118 9	% 64.4-13	4						
Chloride, SM4500Cl-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	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28	<10.0	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: 1-Chlorooctane	92.3	% 55.5-15	4						
Surrogate: I-Chlorooctadecane	95.9	% 57.6-15	3						

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Fax To: (505) 397-0397

Received:

08/25/2011

Sampling Date:

08/24/2011

Reported:

08/30/2011 EEDERAL 26 #

Sampling Type:

Soil

Project Name:

FEDERAL 26 #3 NONE GIVEN

Sampling Condition:

Cool & Intact

Project Number: Project Location:

HALFWAY, NM

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 3 FT (H101800-12)

BTEX 8021B	mg/	kg	Analyze	d By: CMS		····			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2011	ND	1.85	92.6	2.00	0.502	
Toluene*	<0.050	0.050	08/29/2011	ND	1.91	95.7	2.00	5.57	
Ethylbenzene*	0.060	0.050	08/29/2011	ND	2.01	100	2.00	8.14	
Total Xylenes*	0.312	0.150	08/29/2011	ND	6.03	100	6.00	8.39	
Surrogate: 4-Bromofluorobenzene (PIL	112 9	% 64.4-13	4		•				
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte .	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	08/25/2011	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	17.1	10.0	08/28/2011	ND	206	103	200	0.766	
DRO >C10-C28	21.3	10.0	08/28/2011	ND	184	91.8	200	1.99	
Surrogate: I-Chlorooctane	92.9	% 55.5-15	4						
Surrogate: 1-Chlorooctadecane	93.6	% 57.6-15	8						

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	BBC International, Inc.		BILL TO		ANALYS	SIS REQUES	ST
Project Manager: Cliff Brunson			P.O. #:				
Address: P.O. Box 805			Company:				
City: Hobbs State; NM Zip: 88241			Attn:				
1			Address:				
Project #:	Project Owner	: Ox a	City:				
Project Name:	FEDERAL ZOH3	٠,٠	State: Zip:				
Project Location	n: Half way NM	Phone #:	5				
Sampler Name:	Jeff Dinelas		Fax #:		1 1 1		
Lab I.D.	Sample I.D. 5P 1@ 1F 1 5P 2@ 1F 1 5P 2@ 1F 1 5P 2@ 2F 1 5P 3@ 2F 1 5P 3@ 3F 1	SESTING SESTIONS	(1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	TIME 731 Y X X X X X X X X X X X X X X X X X X			
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Relinquished B	Ve aby Time:	Received By:		Phone Result:			
Relinquished By	Circle One)	Received By:	LINDON.	C.1-11 0C 11	u.		
Delivered by	· fourte one) h	11 Jampio Collett	non oucoven pi:				

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

Sampler - UPS - Bus - Other:

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476

Company Name: BBC International, Inc.			BILL TO ANALYSIS REQUEST						
Project Manager: Cliff Brunson			P.O. #:						
Address: P.O. Box 805			Company:			\cdot			
City: Hobbs State: NM Zip: 88241			Attn:						
Phone #: 575-397-6388 Fax #: 575-397-0397			Address:	/					
Project #: Project Owner: Oxy			City:						
Project Name: FEDERAL 26 4 3			State: Zlp:						
Project Location: Half-Way NM Sampler Name:) eff Drive (as			Phone #:						
			Fax #:	\langle \cdot					
FOR LAD USE ONLY		. MATRIX	PRESERV. SAMPLI	NG					
1		(C)OMP.		6 6	1 1 1				
Lab I.D.	Sample I.D.	NER (C)	ا ایان	1/1/1/1/1/1	N				
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	of Camages Cardinals hability and client's exclusive remody for								
service in no event shall C	ng those for negligence and any other cause whatsocker shall be ardinal on liable for incidental or consequental damages, includin	g valhout limitation business interruptions	, loss of use, or loss of profes incurred by of	Front, ita eubski aries					
Relinquished By	g out of ar related to the performance of services hereunder by Date:	Received By:		Phone Result: 🗆 Yes 🛚	No Add'l Phone #:				
1669	Time:	I John	1 Disal		No Add'l Fax#:				
[]	11: 100/01/1/ July 06	Indi 1	0 10 1 0000						
Delivered By:		Sample Cond	tion CHECKED BY:						
1	- Bus - Other:	Cool Intact	(Initials)						

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