

## Bratcher, Mike, EMNRD

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**From:** Cliff P. Brunson [cbrunson@bbcinternational.com]  
**Sent:** Friday, December 17, 2010 4:51 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Dusty Wilson; Ken Swinney; Jennifer Gilkey  
**Subject:** Oxy Federal 26-7-Remediation Plan  
**Attachments:** Oxy Federal 26-7.pdf

Mike,

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

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

Sincerely,

Cliff

Cliff P. Brunson, CEI, CRS  
President  
BBC International, Inc.  
World-Wide Environmental Specialists  
Mailing Address:  
P. O. Box 805  
Hobbs, NM 88241-0805 USA  
Shipping Address:  
1324 W. Marland Blvd.  
Hobbs, NM 88240 USA  
Phone: (575) 397-6388  
Fax: (575) 397-0397  
E-mail: [cbrunson@bbcinternational.com](mailto:cbrunson@bbcinternational.com)  
Web: [www.bbcinternational.com](http://www.bbcinternational.com)

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

Receiving Date: 03/30/10  
Reporting Date: 04/06/10  
Project Owner: OXY  
Project Name: FEDERAL 28-7  
Project Location: HALFWAY, NM

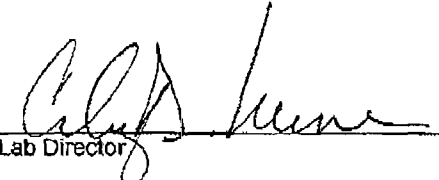
Sampling Date: 03/23/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ -11°C  
Sample Received By: JH  
Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	03/31/10
H19585-1	SP4 @ 1'	1,560	20,800	0.138	0.817	1.64	6.20	5,300
H19585-2	SP4 @ 2'	283	8,210	<0.050	0.434	0.883	3.44	7,500
H19585-3	SP4 @ 3'	<10.0	931	<0.050	0.088	0.415	2.18	9,600
Quality Control		572	564	0.049	0.055	0.056	0.165	510
True Value QC		500	500	0.050	0.050	0.050	0.150	500
% Recovery		114	113	98.0	110	112	110	102
Relative Percent Difference		1.0	11.0	4.6	2.3	2.5	3.4	2.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B

\*Analyses performed on 1:4 w/v aqueous extracts, Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
Lab Director

04/07/10  
Date

H19585 TBCL BBC

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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#26



## CARDINAL LABORATORIES

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible][illegible]

Relinquished By: <i>[Signature]</i> Date: <i>3/30/10</i> Time: <i>4:30</i>		Received By: <i>[Signature]</i> Date: <i>3-30-10</i> Time: <i>4:30</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____	
Relinquished By: <i>[Signature]</i> Date: <i>3-30-10</i> Time: <i>4:30</i>		Received By: <i>Jodi Henson</i> Date: <i>3-30-10</i> Time: <i>4:30</i>		Sample Condition: <i>~118</i> Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <i>[Signature]</i>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:					

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#26



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

Receiving Date: 03/30/10  
Reporting Date: 04/06/10  
Project Owner: OXY  
Project Name: FEDERAL 26-7  
Project Location: HALFWAY, NM

Sampling Date: 03/29/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ -11°C  
Sample Received By: JH  
Analyzed By: CK/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>8</sub> -C <sub>10</sub> ) (mg/kg)	DRO (C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	CI* (mg/kg)
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ANALYSIS DATE:	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	03/31/10
H19584-1 SP1 @ 6'	86.1	863	<0.050	0.166	0.364	1.01	24,400
H19584-2 SP2 @ 6'	1,360	5,170	0.272	1.09	2.54	6.57	18,400
H19584-3 SP3 @ 6'	637	5,070	0.111	0.527	1.36	5.38	15,400
H19584-4 SP4 @ 6'	63.8	2,080	<0.050	0.113	0.315	0.816	12,000
Quality Control	559	545	0.049	0.055	0.056	0.165	510
True Value QC	500	500	0.050	0.050	0.050	0.150	500
% Recovery	112	109	98.0	110	112	110	102
Relative Percent Difference	1.1	2.0	4.6	2.3	2.5	3.4	2.0

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

*Cliff Brunson*  
Lab Director

04/07/10  
Date

H19584 TBCL BBC

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

Receiving Date: 03/30/10  
Reporting Date: 04/06/10  
Project Owner: OXY  
Project Name: FEDERAL 26-7  
Project Location: HALFWAY, NM

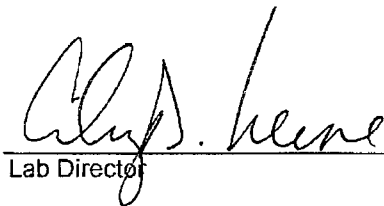
Sampling Date: 03/29/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ -11°C  
Sample Received By: JH  
Analyzed By: CK/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl <sup>-</sup> (mg/kg)
ANALYSIS DATE:		04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	04/01/10	03/31/10
H19584-1	SP1 @ 6'	86.1	863	<0.050	0.166	0.364	1.01	24,400
H19584-2	SP2 @ 6'	1,360	5,170	0.272	1.09	2.54	6.57	18,400
H19584-3	SP3 @ 6'	637	5,070	0.111	0.527	1.36	5.38	15,400
H19584-4	SP4 @ 6'	63.8	2,080	<0.050	0.113	0.315	0.816	12,000
Quality Control		559	545	0.049	0.055	0.056	0.165	510
True Value QC		500	500	0.050	0.050	0.050	0.150	500
% Recovery		112	109	98.0	110	112	110	102
Relative Percent Difference		1.1	2.0	4.6	2.3	2.5	3.4	2.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl<sup>-</sup>: Std. Methods 4500-Cl-B

\*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
Lab Director

04/07/10  
Date

H19584 TBCL BBC

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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

1 of 1

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Cliff Brunson				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 8015</div> </div>															
Address: P.O. Box 805				Company:																			
City: Hobbs		State: NM Zip: 88241		Attn:																			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address: <i>SA</i>																			
Project #:		Project Owner: <i>Cay</i>		City: <i>ME</i>																			
Project Name: Federal 26-7		State: Zip: <i>7E</i>		Phone #:																			
Project Location: Halfway, NM		Fax #:																					
Sampler Name: Joel Clouse																							
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER																	
						WASTEWATER																	
						SOIL																	
						OIL																	
						SLUDGE																	
						OTHER :																	
						ACID/BASE:																	
						ICE/COOL																	
						OTHER :																	
										DATE		TIME											
H195841		SP1 @ 6'		1						3-29-10		10:02 am											
-2		SP2 @ 6'		1						3-29-10		11:37am											
-3		SP3 @ 6'		1						3-29-10		12:48 pm											
-4		SP4 @ 6'		1						3-29-10		3:15 pm											

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Relinquished By:	Date: 3/30/10	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>[Signature]</i>	Time: 4:30	<i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 3-30-10	Received By:	REMARKS:	
<i>[Signature]</i>	Time: 4:30	<i>[Signature]</i>		
Delivered By: (Circle One)		Sample Condition		
Sampler - UPS - Bus - Other:		Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		CHECKED BY: (Initials)		

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April 7, 2010

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

Re: Federal 26-7 (Oxy)

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

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

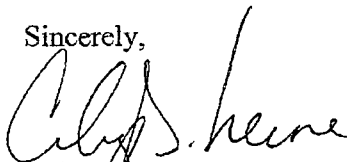
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

  
Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.





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

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (505) 397-0397

Received: 09/08/2010  
Reported: 09/15/2010  
Project Name: FEDERAL 26-7  
Project Number: NONE GIVEN  
Project Location: FLOWLINE LEAK

Sampling Date: 09/02/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

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

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7500	2.55	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	09/08/2010	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/14/2010	ND	196	98.1	200	1.07	
DRO >C10-C28	<10.0	10.0	09/14/2010	ND	167	83.6	200	3.54	

Surrogate 1-Chlorooctane 84.1 % 70-130

Surrogate 1-Chlorooctadecane 98.1 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celestine D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (505) 397-0397

Received: 09/08/2010  
Reported: 09/15/2010  
Project Name: FEDERAL 26-7  
Project Number: NONE GIVEN  
Project Location: FLOWLINE LEAK

Sampling Date: 09/02/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

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

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7500	2.55	

Surrogate. 4-Bromofluorobenzene (PIL) 103 % 80-120

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/08/2010	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/14/2010	ND	196	98.1	200	1.07		
DRO >C10-C28	<10.0	10.0	09/14/2010	ND	167	83.6	200	3.54		

Surrogate. 1-Chlorooctane 81.5 % 70-130

Surrogate. 1-Chlorooctadecane 568 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (505) 397-0397

Received: 09/08/2010  
Reported: 09/15/2010  
Project Name: FEDERAL 26-7  
Project Number: NONE GIVEN  
Project Location: FLOWLINE LEAK

Sampling Date: 09/02/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

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

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7500	2.55	

Surrogate 4-Bromofluorobenzene (PIL) 106 % 80-120

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/08/2010	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07		
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54		

Surrogate: 1-Chlorooctane 79.0 % 70-130

Surrogate: 1-Chlorooctadecane 295 % 70-130

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\*=Accredited Analyte

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Celest D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (505) 397-0397

Received: 09/08/2010  
Reported: 09/15/2010  
Project Name: FEDERAL 26-7  
Project Number: NONE GIVEN  
Project Location: FLOWLINE LEAK

Sampling Date: 09/02/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

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

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/11/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/11/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/11/2010	ND	6080	81.1	7500	2.55	

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 80-120

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	09/08/2010	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: AB				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07	
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54	

Surrogate: 1-Chlorooctane 80.4 % 70-130

Surrogate: 1-Chlorooctadecane 541 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



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Fax To: (505) 397-0397

Received: 09/08/2010  
Reported: 09/15/2010  
Project Name: FEDERAL 26-7  
Project Number: NONE GIVEN  
Project Location: FLOWLINE LEAK

Sampling Date: 09/02/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

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

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/13/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/13/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/13/2010	ND	6080	81.1	7500	2.55	

Surrogate: 4-Bromofluorobenzene (PIH) 103 % 80-120

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/08/2010	ND	432	108	.400	0.00	

TPH 8015M			mg/kg		Analyzed By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07		
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54		

Surrogate 1-Chlorooctane 76.2 % 70-130

Surrogate 1-Chlorooctadecane 475 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



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### Analytical Results For:

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (505) 397-0397

Received: 09/08/2010  
Reported: 09/15/2010  
Project Name: FEDERAL 26-7  
Project Number: NONE GIVEN  
Project Location: FLOWLINE LEAK

Sampling Date: 09/02/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

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

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/13/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/13/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/13/2010	ND	6080	81.1	7500	2.55	

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 80-120

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/08/2010	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: AB					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07		
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54		

Surrogate: 1-Chlorooctane 78.4 % 70-130

Surrogate: 1-Chlorooctadecane 446 % 70-130

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
Cliff Brunson  
P.O. Box 805  
Hobbs NM, 88241  
Fax To: (505) 397-0397

Received: 09/08/2010  
Reported: 09/15/2010  
Project Name: FEDERAL 26-7  
Project Number: NONE GIVEN  
Project Location: FLOWLINE LEAK

Sampling Date: 09/02/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

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

BTX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/13/2010	ND	2150	85.9	2500	2.16	
Toluene*	<0.050	0.050	09/13/2010	ND	2000	79.9	2500	2.19	
Ethylbenzene*	<0.050	0.050	09/13/2010	ND	2090	83.5	2500	2.15	
Total Xylenes*	<0.150	0.150	09/13/2010	ND	6080	81.1	7500	2.55	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 80-120

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/08/2010	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: AB			S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/15/2010	ND	196	98.1	200	1.07		
DRO >C10-C28	<10.0	10.0	09/15/2010	ND	167	83.6	200	3.54		

Surrogate: 1-Chlorooctane 81.1 % 70-130

Surrogate: 1-Chlorooctadecane 484 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*              Samples not received at proper temperature of 6°C or below.
- \*\*\*             Insufficient time to reach temperature.
- Chloride by 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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\* = Accredited Analyte

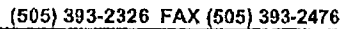
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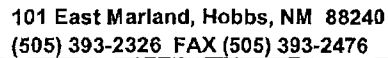


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Celey D. Keene, Lab Director/Quality Manager





**BILL TO**

## ANALYSIS REQUEST

Relinquished By: <i>Roger Hernandez</i> Date: <i>9-7-10</i> Time: <i>5:00</i>		Received By: <i>John O'S</i> Date: <i>9/8/10</i> Time: <i>8:36</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____ REMARKS:	
Relinquished By: <i>John O'S</i> Date: <i>9/8/10</i> Time: <i>8:36</i>		Received By: <i>Jodi Henson</i> Date: _____ Time: _____		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CHECKED BY: <i>John O'S</i> (Initials)			

#26



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

September 15, 2010

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

RE: FEDERAL 26-7

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

Cardinal Laboratories is accredited through Texas NELAP for:

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager