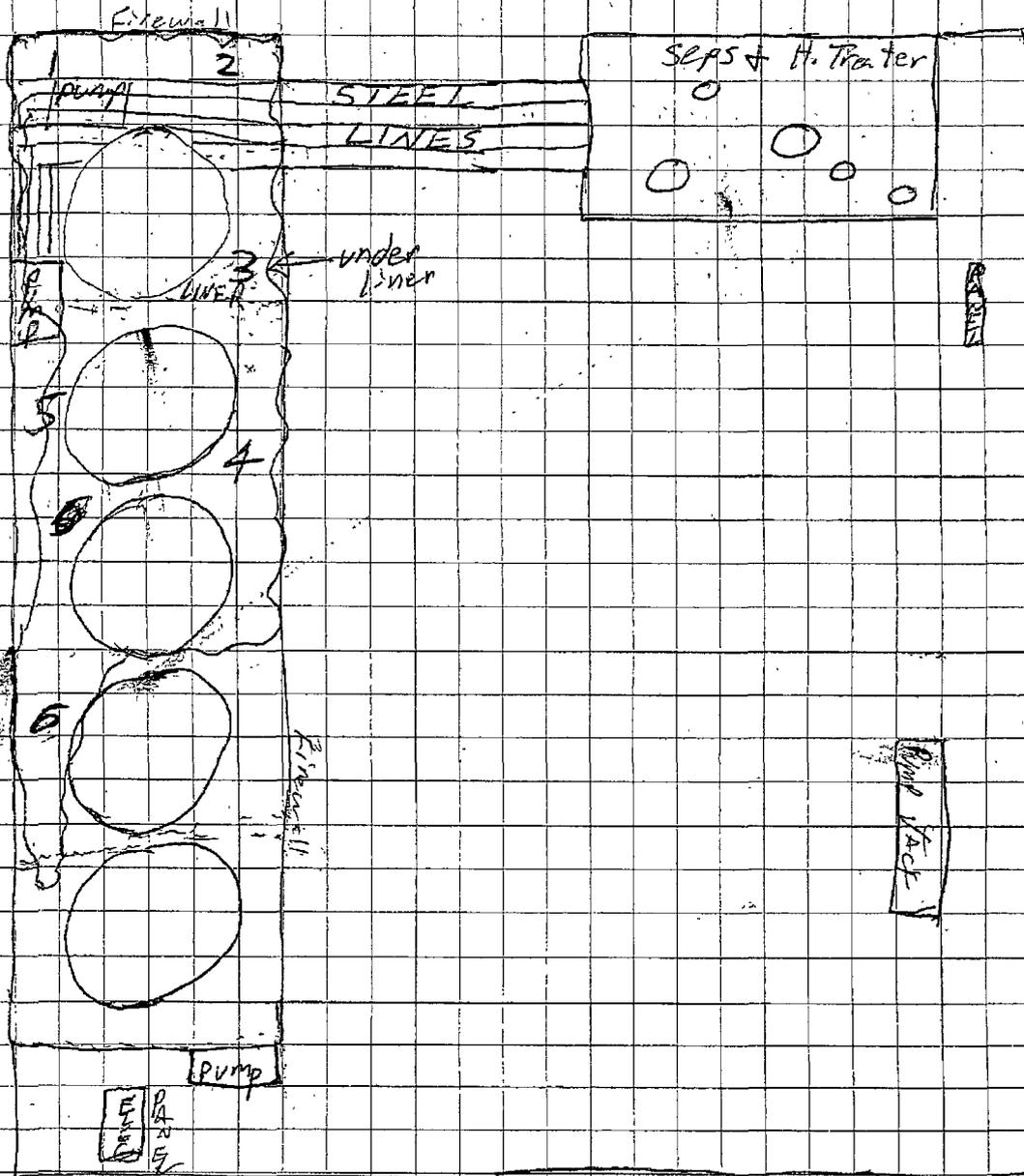


OXY / Federal 29 # 0

8-25-11



BOX

Submitted
 0-31-
 0-30-11





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

September 06, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: FEDERAL 29 #8

Enclosed are the results of analyses for samples received by the laboratory on 08/31/11 10:15.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, prominent initial "C".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 1' (H101851-01)

BTX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.140	0.100	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	1.83	0.100	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	2.39	0.100	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	8.69	0.300	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate 4-Bromofluorobenzene (PIL) 180 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	794	50.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	9290	50.0	09/03/2011	ND	171	85.5	200	2.57		

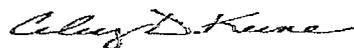
Surrogate 1-Chlorooctane 148 % 55.5-154

Surrogate 1-Chlorooctadecane 92.1 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
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Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 4' (H101851-02)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	0.408	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	0.703	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	2.66	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PII) 165 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	123	50.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	3010	50.0	09/03/2011	ND	171	85.5	200	2.57		

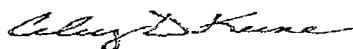
Surrogate: 1-Chlorooctane 94.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 102 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 6' (H101851-03)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	0.064	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	0.157	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	0.681	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PII) 128 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	21.5	10.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	636	10.0	09/03/2011	ND	171	85.5	200	2.57		

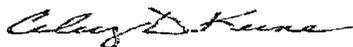
Surrogate: 1-Chlorooctane 94.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 90.1 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 1 @ 7' (H101851-04)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	<0.150	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PII) 122 % 64.4-134

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	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	248	10.0	09/03/2011	ND	171	85.5	200	2.57		

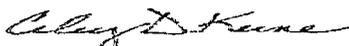
Surrogate: 1-Chlorooctane 98.7 % 55.5-154

Surrogate 1-Chlorooctadecane 96.6 % 57.6-158

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 Hobbs NM, 88241
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Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ 1' (H101851-05)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	0.684	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	1.17	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	4.39	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PII) 114 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	295	50.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	3750	50.0	09/03/2011	ND	171	85.5	200	2.57		

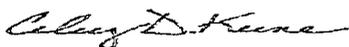
Surrogate: 1-Chlorooctane 120 % 55.5-154

Surrogate: 1-Chlorooctadecane 95.7 % 57.6-158

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

Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ 5' (H101851-06)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	<0.150	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 124% 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	11.6	10.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	57.3	10.0	09/03/2011	ND	171	85.5	200	2.57		

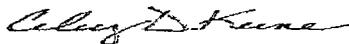
Surrogate: 1-Chlorooctane 82.7% 55.5-154

Surrogate: 1-Chlorooctadecane 95.3% 57.6-158

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 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ 6' (H101851-07)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	<0.150	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 123 % 64.4-134

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	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	<10.0	10.0	09/03/2011	ND	171	85.5	200	2.57		

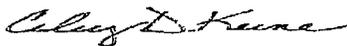
Surrogate: 1-Chlorooctane 89.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 90.2 % 57.6-158

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 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 2 @ 7' (H101851-08)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	0.197	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 128 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	11.4	10.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	344	10.0	09/03/2011	ND	171	85.5	200	2.57		

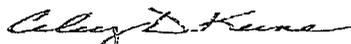
Surrogate: 1-Chlorooctane 95.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 96.9 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 1' (H101851-09)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.060	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	1.15	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	1.98	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	7.73	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	909	50.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	9800	50.0	09/03/2011	ND	171	85.5	200	2.57		

Surrogate: 1-Chlorooctane 149 % 55.5-154

Surrogate: 1-Chlorooctadecane 112 % 57.6-158

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 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (505) 397-0397

Received:	08/31/2011	Sampling Date:	08/25/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 3' (H101851-10)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	0.061	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	0.179	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 131 % 64.4-134

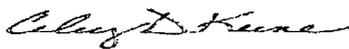
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	12.3	10.0	09/03/2011	ND	169	84.3	200	0.818		
DRO >C10-C28	91.8	10.0	09/03/2011	ND	171	85.5	200	2.57		

Surrogate: 1-Chlorooctane 92.7 % 55.5-154
Surrogate: 1-Chlorooctadecane 99.8 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 3 @ 5' (H101851-11)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	<0.150	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PII) 119 % 64.4-134

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	09/03/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	<10.0	10.0	09/03/2011	ND	168	84.1	200	6.80		

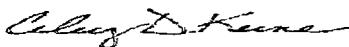
Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 109 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 1' (H101851-12)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	0.613	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	1.12	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	6.08	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 185 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	431	50.0	09/03/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	5600	50.0	09/03/2011	ND	168	84.1	200	6.80		

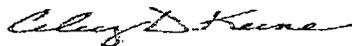
Surrogate: 1-Chlorooctane 118 % 55.5-154

Surrogate: 1-Chlorooctadecane 91.1 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 3' (H101851-13)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	1.85	0.100	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	3.41	0.100	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	15.2	0.300	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 64 4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	954	50.0	09/03/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	7150	50.0	09/03/2011	ND	168	84.1	200	6.80		

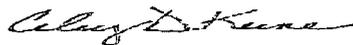
Surrogate: 1-Chlorooctane 153 % 55.5-154

Surrogate: 1-Chlorooctadecane 109 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 4 @ 7' (H101851-14)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	<0.150	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 123 % 64 4-134

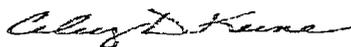
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/03/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	59.4	10.0	09/03/2011	ND	168	84.1	200	6.80		

Surrogate: 1-Chlorooctane 101 % 55.5-154
Surrogate: 1-Chlorooctadecane 105 % 57 6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 5 @ 1' (H101851-15)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.500	0.500	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	7.68	0.500	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	16.1	0.500	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	63.1	1.50	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	1700	50.0	09/03/2011	ND	179	89.3	200	0.599			
DRO >C10-C28	8530	50.0	09/03/2011	ND	168	84.1	200	6.80			

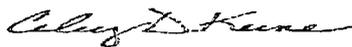
Surrogate: 1-Chlorooctane 155 % 55.5-154

Surrogate: 1-Chlorooctadecane 96.3 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 5 @ 3' (H101851-16)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.200	0.200	09/02/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	5.59	0.200	09/02/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	9.52	0.200	09/02/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	37.4	0.600	09/02/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1530	50.0	09/03/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	6770	50.0	09/03/2011	ND	168	84.1	200	6.80		

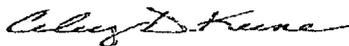
Surrogate: 1-Chlorooctane 149 % 55.5-154

Surrogate: 1-Chloroadecane 95.6 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 5 @ 6' (H101851-17)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.250	0.250	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	3.33	0.250	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	7.40	0.250	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	30.8	0.750	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PII) 217% 64 4-134

TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1110	10.0	09/03/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	5900	10.0	09/03/2011	ND	168	84.1	200	6.80		

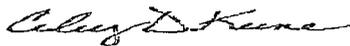
Surrogate: 1-Chlorooctane 129% 55 5-154

Surrogate: 1-Chloroadecane 95.4% 57 6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 5 @ 9' (H101851-18)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	<0.150	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 123 % 64.4-134

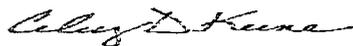
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	09/04/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	32.3	10.0	09/04/2011	ND	168	84.1	200	6.80		

Surrogate: 1-Chlorooctane 106 % 55.5-154
Surrogate: 1-Chlorooctadecane 112 % 57.6-158

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Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ 1' (H101851-19)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	0.064	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	0.187	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 125 % 64.4-134

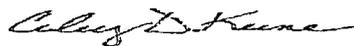
TPH 8015M		mg/kg		Analyzed By: ab						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	14.2	10.0	09/04/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	436	10.0	09/04/2011	ND	168	84.1	200	6.80		

Surrogate: 1-Chlorooctane 108 % 55.5-154
Surrogate: 1-Chlorooctadecane 105 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ 2' (H101851-20)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/01/2011	ND	1.98	99.1	2.00	6.18		
Toluene*	<0.050	0.050	09/01/2011	ND	1.94	97.0	2.00	5.77		
Ethylbenzene*	<0.050	0.050	09/01/2011	ND	1.96	98.2	2.00	5.85		
Total Xylenes*	<0.150	0.150	09/01/2011	ND	5.87	97.9	6.00	6.31		

Surrogate: 4-Bromofluorobenzene (PIL) 124 % 64.4-134

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	09/04/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	76.3	10.0	09/04/2011	ND	168	84.1	200	6.80		

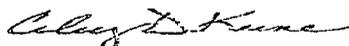
Surrogate: 1-Chlorooctane 116 % 55.5-154

Surrogate: 1-Chlorooctadecane 117 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	08/31/2011	Sampling Date:	08/26/2011
Reported:	09/06/2011	Sampling Type:	Soil
Project Name:	FEDERAL 29 #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	C-29		

Sample ID: SP 6 @ 4' (H101851-21)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/31/2011	ND	1.94	96.9	2.00	0.411		
Toluene*	<0.050	0.050	08/31/2011	ND	1.86	93.2	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/31/2011	ND	1.89	94.4	2.00	0.835		
Total Xylenes*	<0.150	0.150	08/31/2011	ND	5.65	94.2	6.00	0.138		

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 64 4-134

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	09/04/2011	ND	179	89.3	200	0.599		
DRO >C10-C28	13.2	10.0	09/04/2011	ND	168	84.1	200	6.80		

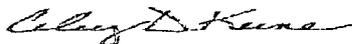
Surrogate: 1-Chlorooctane 110 % 55.5-154

Surrogate: 1-Chlorooctadecane 114 % 57.6-158

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* = Accredited Analyte

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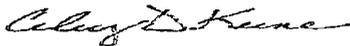
Notes and Definitions

- S-HI High surrogate recovery was confirmed as a matrix effect by a second analysis.
- 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.
- A-01 Surrogate failed high due to objective matrix interference.
- 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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