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E-MAIL: cbrunson@bbcinternational.com

OXY – NHU SATELLITE #27

REMEDIATION PLAN

OXY will excavate the spill area as depicted on the following site diagram. The entire spill area will be excavated to a depth of 6 inches. All excavated materials will be disposed of at an NMOCD-approved disposal facility.

This plan will remove the contaminants to NMOCD acceptable levels as agreed upon.

The site will then be backfilled with clean soil.

RECEIVED

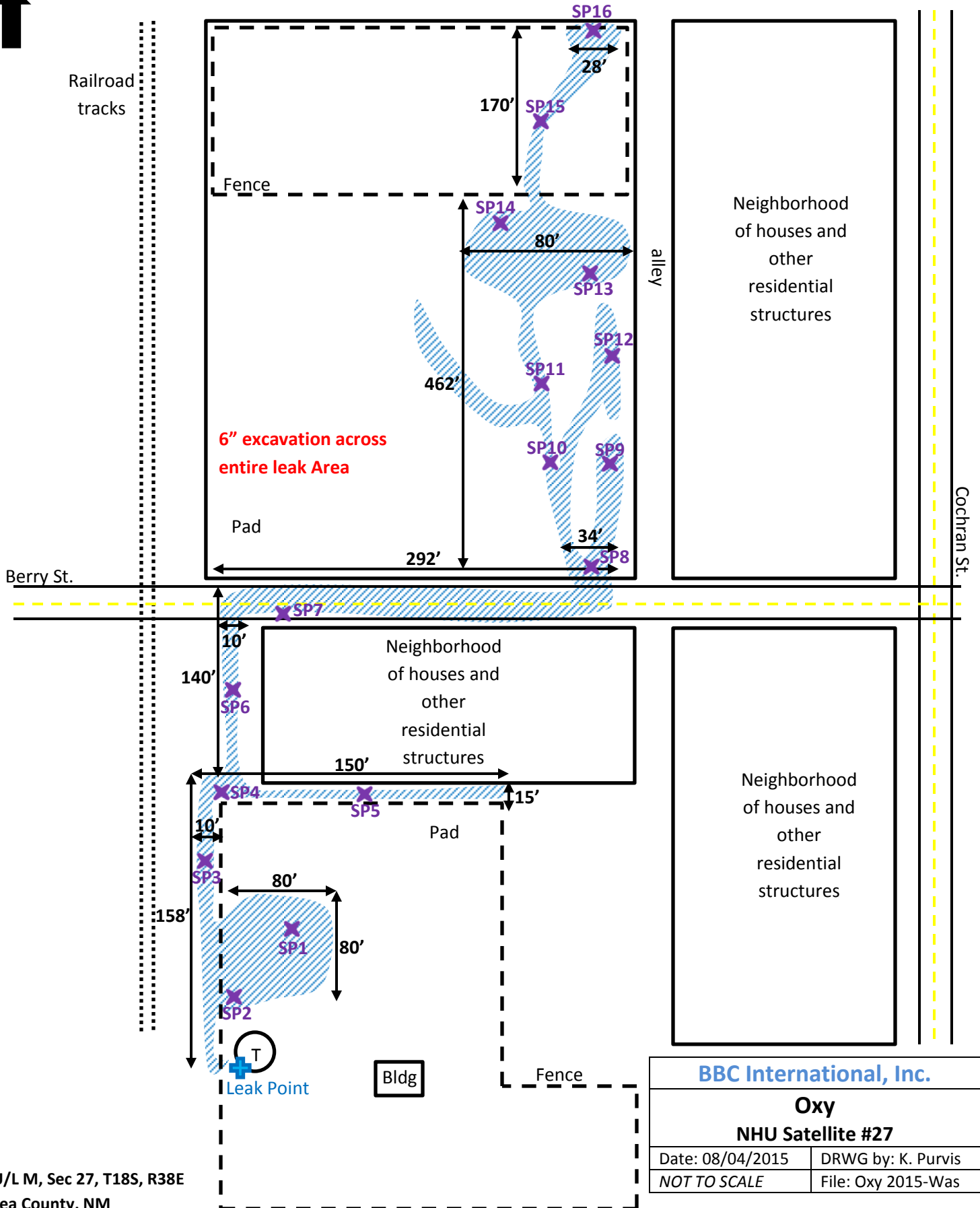
By JKeyes at 2:09 pm, Sep 30, 2015

APPROVED

By JKeyes at 2:09 pm, Sep 30, 2015



Oxy
NHU Satellite #27



Oxy NHU Satellite #27

County	Unit Letter	Section	Township	Range
Lea	M	27	18S	38E

Trend Map 50'-100'



**Laboratory Analytical Results Summary
NHU Satellite #27**

		Sample	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
Analyte	Method	Date	8/13/15	8/13/15	8/13/15	8/13/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		1600	32	32	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
Analyte	Method	Date	8/13/15	8/13/15	8/13/15	8/13/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		176	32	<16.0	144
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	8/13/15	8/13/15	8/13/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		1310	240	32
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	8/14/15	8/14/15	8/14/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		368	<16.0	<16.0
GRO	TPH 8015M		<50.0	<10.0	n/a
DRO	TPH 8015M		1050	<10.0	n/a

		Sample	SP5 @ SURFACE	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
Analyte	Method	Date	8/14/15	8/14/15	8/14/15	8/14/15	8/14/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		448	32	32	<16.0	96
GRO	TPH 8015M		<50.0	<50.0	<10.0	n/a	n/a
DRO	TPH 8015M		909	254	<10.0	n/a	n/a

		Sample	SP6 @ SURFACE	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	8/14/15	8/14/15	8/14/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		560	32	32
GRO	TPH 8015M		<100	<10.0	n/a
DRO	TPH 8015M		12900	<10.0	n/a

		Sample	SP7 @ SURFACE
Analyte	Method	Date	8/14/15
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		<16.0
GRO	TPH 8015M		<50.0
DRO	TPH 8015M		<50.0

		Sample	SP8 @ SURFACE	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'
Analyte	Method	Date	8/14/15	8/17/15	8/17/15	8/17/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		240	<16.0	<16.0	<16.0
GRO	TPH 8015M		<100	<10.0	n/a	n/a
DRO	TPH 8015M		15000	<10.0	n/a	n/a

**Laboratory Analytical Results Summary
NHU Satellite #27**

		Sample	SP9 @ SURFACE	SP9 @ 1'
Analyte	Method	Date	8/17/15	8/17/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		10400	<10.0

		Sample	SP10 @ SURFACE	SP10 @ 1'
Analyte	Method	Date	8/17/15	8/17/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		1440	<10.0

		Sample	SP11 @ SURFACE	SP11 @ 1'
Analyte	Method	Date	8/17/15	8/17/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		288	112
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		1680	<10.0

		Sample	SP12 @ SURFACE	SP12 @ 1'
Analyte	Method	Date	8/17/15	8/17/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	48
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		7700	<10.0

		Sample	SP13 @ SURFACE	SP13 @ 1'
Analyte	Method	Date	8/17/15	8/17/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	48
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		967	<10.0

		Sample	SP14 @ SURFACE	SP14 @ 1'
Analyte	Method	Date	8/17/15	8/18/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		32	<16.0
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		6840	<10.0

		Sample	SP15 @ SURFACE	SP15 @ 1'
Analyte	Method	Date	8/18/15	8/18/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<100	<10.0
DRO	TPH 8015M		16600	<10.0

		Sample	SP16 @ SURFACE	SP16 @ 1'	SP16 @ 2'	SP16 @ 3'
Analyte	Method	Date	8/18/15	8/18/15	8/18/15	8/18/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<100	<10.0	n/a	n/a
DRO	TPH 8015M		4950	<10.0	n/a	n/a



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

August 25, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: NHU SATELLITE #27

Enclosed are the results of analyses for samples received by the laboratory on 08/19/15 15:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 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 (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1 @ SURFACE (H502174-01)

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	08/20/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/20/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/20/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/20/2015	ND	6.28	105	6.00	1.26	
Total BTX	<0.300	0.300	08/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 88.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 87.6 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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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: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1 @ 1' (H502174-02)

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	08/20/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/20/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/20/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/20/2015	ND	6.28	105	6.00	1.26	
Total BTX	<0.300	0.300	08/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 88.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.2 % 52.1-176

Sample ID: SP1 @ 2' (H502174-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	3.77	

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*=Accredited Analyte

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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: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1 @ 3' (H502174-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	3.77	

Sample ID: SP2 @ SURFACE (H502174-05)

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	08/20/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/20/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/20/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/20/2015	ND	6.28	105	6.00	1.26	
Total BTEX	<0.300	0.300	08/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 89.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.3 % 52.1-176

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP2 @ 1' (H502174-06)

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	08/20/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/20/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/20/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/20/2015	ND	6.28	105	6.00	1.26	
Total BTX	<0.300	0.300	08/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 86.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 81.9 % 52.1-176

Sample ID: SP2 @ 2' (H502174-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	3.77		

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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: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP2 @ 3' (H502174-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/21/2015	ND	416	104	400	3.77	

Sample ID: SP3 @ SURFACE (H502174-09)

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	08/20/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/20/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/20/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/20/2015	ND	6.28	105	6.00	1.26	
Total BTEX	<0.300	0.300	08/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 87.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.2 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP3 @ 1' (H502174-10)

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	08/20/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/20/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/20/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/20/2015	ND	6.28	105	6.00	1.26	
Total BTX	<0.300	0.300	08/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 85.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 83.0 % 52.1-176

Sample ID: SP3 @ 2' (H502174-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	3.77	

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Analytical Results For:

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 Received: 08/19/2015
 Reported: 08/25/2015
 Project Name: NHU SATELLITE #27
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 08/14/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: SP4 @ SURFACE (H502174-12)

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	08/21/2015	ND	2.20	110	2.00	0.105		
Toluene*	<0.050	0.050	08/21/2015	ND	2.09	105	2.00	0.341		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.24	112	2.00	1.42		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.28	105	6.00	1.26		
Total BTX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	1050	50.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 77.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP4 @ 1' (H502174-13)

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	08/21/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/21/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.28	105	6.00	1.26	
Total BTX	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 95.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

Sample ID: SP4 @ 2' (H502174-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	3.77		

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP5 @ SURFACE (H502174-15)

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	08/21/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/21/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.28	105	6.00	1.26	
Total BTX	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	909	50.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 72.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP5 @ 1' (H502174-16)

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	08/21/2015	ND	2.20	110	2.00	0.105		
Toluene*	<0.050	0.050	08/21/2015	ND	2.09	105	2.00	0.341		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.24	112	2.00	1.42		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.28	105	6.00	1.26		
Total BTX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	254	50.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 71.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 99.9 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP5 @ 2' (H502174-17)

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	08/21/2015	ND	2.20	110	2.00	0.105	
Toluene*	<0.050	0.050	08/21/2015	ND	2.09	105	2.00	0.341	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.24	112	2.00	1.42	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.28	105	6.00	1.26	
Total BTX	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 98.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

Sample ID: SP5 @ 3' (H502174-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92	

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP5 @ 4' (H502174-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/21/2015	ND	400	100	400	3.92	

Sample ID: SP6 @ SURFACE (H502174-20)

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	08/21/2015	ND	2.20	110	2.00	2.72	
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62	
Total BTEX	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/20/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	12900	100	08/20/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 116 % 47.2-157

Surrogate: 1-Chlorooctadecane 216 % 52.1-176

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Analytical Results For:

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

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP6 @ 1' (H502174-21)

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	08/21/2015	ND	2.20	110	2.00	2.72		
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62		
Total BTEX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 80.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 72.4 % 52.1-176

Sample ID: SP6 @ 2' (H502174-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	400	100	400	3.92	

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP7 @ SURFACE (H502174-23)

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	08/21/2015	ND	2.20	110	2.00	2.72	
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62	
Total BTX	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/21/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<50.0	50.0	08/21/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 91.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.1 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/14/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP8 @ SURFACE (H502174-24)

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	08/21/2015	ND	2.20	110	2.00	2.72	
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62	
Total BTX	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	08/21/2015	ND	181	90.7	200	1.51		
DRO >C10-C28	15000	100	08/21/2015	ND	187	93.6	200	1.50		

Surrogate: 1-Chlorooctane 94.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 276 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP8 @ 1' (H502174-25)

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	08/21/2015	ND	2.20	110	2.00	2.72		
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62		
Total BTX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 90.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 96.6 % 52.1-176

Sample ID: SP8 @ 2' (H502174-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92	

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP8 @ 3' (H502174-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92	

Sample ID: SP9 @ SURFACE (H502174-28)

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	08/21/2015	ND	2.20	110	2.00	2.72	
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62	
Total BTEx	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/21/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	10400	100	08/21/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 88.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 222 % 52.1-176

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Analytical Results For:

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP9 @ 1' (H502174-29)

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	08/21/2015	ND	2.20	110	2.00	2.72		
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62		
Total BTEX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 95.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 95.1 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP10 @ SURFACE (H502174-30)

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	08/21/2015	ND	2.20	110	2.00	2.72		
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62		
Total BTX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/21/2015	ND	181	90.7	200	1.51	
DRO >C10-C28	1440	50.0	08/21/2015	ND	187	93.6	200	1.50	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 149 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP10 @ 1' (H502174-31)

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	08/21/2015	ND	2.20	110	2.00	2.72	
Toluene*	<0.050	0.050	08/21/2015	ND	2.07	104	2.00	4.13	
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.19	110	2.00	4.91	
Total Xylenes*	<0.150	0.150	08/21/2015	ND	6.20	103	6.00	3.62	
Total BTX	<0.300	0.300	08/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 83.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 84.2 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP11 @ SURFACE (H502174-32)

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	08/21/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/21/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	5.89	98.2	6.00	3.84		
Total BTEX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

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	08/21/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	1680	50.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 74.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 114 % 52.1-176

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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: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP11 @ 1' (H502174-33)

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	08/21/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/21/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	5.89	98.2	6.00	3.84		
Total BTEx	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 85.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 79.2 % 52.1-176

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 Received: 08/19/2015
 Reported: 08/25/2015
 Project Name: NHU SATELLITE #27
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 08/17/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: SP12 @ SURFACE (H502174-34)

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	08/21/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/21/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	5.89	98.2	6.00	3.84		
Total BTEx	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	08/21/2015	ND	194	97.0	200	0.835		
DRO >C10-C28	7700	100	08/21/2015	ND	197	98.3	200	4.07		

Surrogate: 1-Chlorooctane 93.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 207 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP12 @ 1' (H502174-35)

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	08/21/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/21/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	5.89	98.2	6.00	3.84		
Total BTEx	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 88.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 82.7 % 52.1-176

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 Received: 08/19/2015
 Reported: 08/25/2015
 Project Name: NHU SATELLITE #27
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 08/17/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: SP13 @ SURFACE (H502174-36)

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	08/21/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/21/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	5.89	98.2	6.00	3.84		
Total BTX	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	967	50.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 44.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 61.6 % 52.1-176

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 Received: 08/19/2015
 Reported: 08/25/2015
 Project Name: NHU SATELLITE #27
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

 Sampling Date: 08/17/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: SP13 @ 1' (H502174-37)

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	08/21/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/21/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/21/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/21/2015	ND	5.89	98.2	6.00	3.84		
Total BTEx	<0.300	0.300	08/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/21/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 89.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 94.5 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP14 @ SURFACE (H502174-38)

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	08/22/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/22/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/22/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/22/2015	ND	5.89	98.2	6.00	3.84		
Total BTEx	<0.300	0.300	08/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/21/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	6840	100	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 80.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 192 % 52.1-176

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Fax To: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP14 @ 1' (H502174-39)

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	08/22/2015	ND	2.08	104	2.00	2.74	
Toluene*	<0.050	0.050	08/22/2015	ND	1.96	97.9	2.00	3.52	
Ethylbenzene*	<0.050	0.050	08/22/2015	ND	2.11	106	2.00	3.69	
Total Xylenes*	<0.150	0.150	08/22/2015	ND	5.89	98.2	6.00	3.84	
Total BTEx	<0.300	0.300	08/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 84.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.9 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP15 @ SURFACE (H502174-40)

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	08/22/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/22/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/22/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/22/2015	ND	5.89	98.2	6.00	3.84		
Total BTEX	<0.300	0.300	08/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	16600	100	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 79.7 % 47.2-157

Surrogate: 1-Chlorooctadecane 339 % 52.1-176

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Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP15 @ 1' (H502174-41)

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	08/22/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/22/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/22/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/22/2015	ND	5.89	98.2	6.00	3.84		
Total BTX	<0.300	0.300	08/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 86.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 85.2 % 52.1-176

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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: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP16 @ SURFACE (H502174-42)

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	08/22/2015	ND	2.08	104	2.00	2.74	
Toluene*	<0.050	0.050	08/22/2015	ND	1.96	97.9	2.00	3.52	
Ethylbenzene*	<0.050	0.050	08/22/2015	ND	2.11	106	2.00	3.69	
Total Xylenes*	<0.150	0.150	08/22/2015	ND	5.89	98.2	6.00	3.84	
Total BTEx	<0.300	0.300	08/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	4950	100	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 61.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 169 % 52.1-176

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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: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP16 @ 1' (H502174-43)

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	08/22/2015	ND	2.08	104	2.00	2.74		
Toluene*	<0.050	0.050	08/22/2015	ND	1.96	97.9	2.00	3.52		
Ethylbenzene*	<0.050	0.050	08/22/2015	ND	2.11	106	2.00	3.69		
Total Xylenes*	<0.150	0.150	08/22/2015	ND	5.89	98.2	6.00	3.84		
Total BTEx	<0.300	0.300	08/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/21/2015	ND	194	97.0	200	0.835	
DRO >C10-C28	<10.0	10.0	08/21/2015	ND	197	98.3	200	4.07	

Surrogate: 1-Chlorooctane 84.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 90.5 % 52.1-176

Sample ID: SP16 @ 2' (H502174-44)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	0.00		

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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: (575) 397-0397

Received: 08/19/2015
Reported: 08/25/2015
Project Name: NHU SATELLITE #27
Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

Sampling Date: 08/18/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP16 @3' (H502174-45)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2015	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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.
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. Keene, Lab Director/Quality Manager



CARDINAL 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		ANALYSIS REQUEST									
Project Manager: Cliff Brunson		P.O. #:											
Address: P.O. Box 805		Company: <i>Tommy Garcia</i>											
City: Hobbs		Attn:											
State: NM Zip: 88241		Address:											
Phone #: 575-397-6388 Fax #: 575-397-0397		City:											
Project #: Project Owner: Oxy		State: Zip:											
Project Name: NHU Satellite #27		Phone #:											
Project Location: Lea County, NM		Fax #:											
Sampler Name: Jeff Ornelas													
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING	
								GROUNDWATER					
								WASTEWATER					
								SOIL					
								OIL					
								SLUDGE					
								OTHER :					
								ACID/BASE:					
								ICE / COOL					
								OTHER :					
1. SP1 @ SURFACE		61		8/13/15		10:15 AM		✓		✓		✓	
2. SP1 @ 1'		61		8/13/15		10:33 AM		✓		✓		✓	
3. SP1 @ 2'		61		8/13/15		11:00 AM		✓		✓		✓	
4. SP1 @ 3'		61		8/13/15		11:37 AM		✓		✓		✓	
5. SP2 @ SURFACE		61		8/13/15		12:00 PM		✓		✓		✓	
6. SP2 @ 1'		61		8/13/15		1:11 PM		✓		✓		✓	
7. SP2 @ 2'		61		8/13/15		1:39 PM		✓		✓		✓	
8. SP2 @ 3'		61		8/13/15		2:00 PM		✓		✓		✓	
9. SP3 @ SURFACE		61		8/13/15		2:49 PM		✓		✓		✓	
10. SP3 @ 1'		61		8/13/15		3:15 PM		✓		✓		✓	
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Relinquished By: <i>[Signature]</i>		D <i>8/13/15</i>		Received By: <i>Judy Garcia</i>		Sample Condition		CHECKED BY: <i>[Signature]</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:			
Relinquished By: <i>[Signature]</i>		Time: <i>3:00pm</i>		Date: <i>8/19/15</i>		Cool: <input type="checkbox"/> Intact: <input type="checkbox"/>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:		REMARKS:			
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:		Time: <i>15:32</i>		Sample Condition		CHECKED BY: <i>[Signature]</i>					

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CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2055

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: NHU Satellite #27

Project Location: Lea County, NM

Sampler Name: Jeff Ornelas

BILL TO

P.O. #:

Company: *Longhorns*

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :											
11	SP3 @ 2'	6	1	✓							8/13/15	3:30 PM	✓							
12	SP4 @ SURFACE	6	1	✓							8/14/15	8:20 AM	✓							
13	SP4 @ 1'	6	1	✓							8/14/15	9:00 AM	✓							
14	SP4 @ 2'	6	1	✓							8/14/15	9:30 AM	✓							
15	SP5 @ SURFACE	6	1	✓							8/14/15	9:51 AM	✓							
16	SP5 @ 1'	6	1	✓							8/14/15	10:15 AM	✓							
17	SP5 @ 2'	6	1	✓							8/14/15	10:33 AM	✓							
18	SP5 @ 3'	6	1	✓							8/14/15	11:00 AM	✓							
19	SP5 @ 4'	6	1	✓							8/14/15	11:30 AM	✓							
20	SP6 @ SURFACE	6	1	✓							8/14/15	11:51 AM	✓							

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Relinquished By:

Date: 8-19-15 Received By:

Relinquished By:

Date: 8-19-15 Received By:

Relinquished By:

Date: 8-19-15 Received By:

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

Time: 15:33 Received By: *Andy Garcia*
Sample Condition: ☒ Yes ☐ No
Cool / Intact: ☒ Yes ☐ No
CHECKED BY: *AG* (Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

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#54



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1085

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: NHU Satellite #27

Project Location: Lea County, NM

Sampler Name: Jeff Ornelas

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Tony Aguilar

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H502174

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	CL	TPH	BTEX								
31.	SP10 @ 1'	61	1	GROUNDWATER			8/17/15	11:45 AM	✓	✓	✓								
32.	SP11 @ SURFACE	61	1	WASTEWATER			8/17/15	1:11 PM	✓	✓	✓								
33.	SP11 @ 1'	61	1	SOIL			8/17/15	1:39 PM	✓	✓	✓								
34.	SP12 @ SURFACE	61	1	OIL			8/17/15	2:33 PM	✓	✓	✓								
35.	SP12 @ 1'	61	1	SLUDGE			8/17/15	2:58 PM	✓	✓	✓								
36.	SP13 @ SURFACE	61	1	OTHER :			8/17/15	3:33 PM	✓	✓	✓								
37.	SP13 @ 1'	61	1	ACID/BASE:			8/17/15	4:00 PM	✓	✓	✓								
38.	SP14 @ SURFACE	61	1	ICE / COOL			8/17/15	4:20 PM	✓	✓	✓								
39.	SP14 @ 1'	61	1	OTHER :			8/18/15	8:31 AM	✓	✓	✓								
40.	SP15 @ SURFACE	61	1				8/18/15	10:00 AM	✓	✓	✓								

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Relinquished By:

Received By:

Date:

Time:

Relinquished By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Checked By: (Initials)

Phone Result:

Fax Result:

Yes No

Add'l Phone #:

Add'l Fax #:

REMARKS:

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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

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action


OPERATOR		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company	Oxy Permian	Contact	Tony Aguilar
Address	1017 W. Stanolind Road	Telephone No.	(575) 397-8251
Facility Name	NHU Satellite #27	Facility Type	Satellite
Surface Owner	Oxy	Mineral Owner	
		API No.	30-025-07408

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	27	18S	38E					Lea County, NM

Latitude N 32.71366° Longitude W 103.14645°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	15 bbls oil, 120 bbls produced water	Volume Recovered	90 bbls
Source of Release	Power loss caused the tank to spill over	Date and Hour of Occurrence	08/02/2015	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Kellie Jones, NMOCD		
By Whom?	Tony Aguilar, Oxy	Date and Hour	08/02/2015		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.*					
Power loss caused a tank to spill 15 bbls of oil and 120 bbls of produced water onto the ground. A vacuum truck recovered 90 bbls of fluids and the power was restored.					
Describe Area Affected and Cleanup Action Taken.*					
The area affected is approximately 750' x 25' off location, down a street, and into another location. Remediation will be completed in accordance with a remediation plan approved by NMOCD.					
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Signature: 		OIL CONSERVATION DIVISION			
Printed Name: Tony Aguilar		Approved by Environmental Specialist:			
Title: HES Specialist		Approval Date:		Expiration Date:	
E-mail Address: Raymond_aguilar@oxy.com		Conditions of Approval:		Attached <input type="checkbox"/>	
Date: 8-5-15		Phone: (575) 397-8251			

* Attach Additional Sheets If Necessary