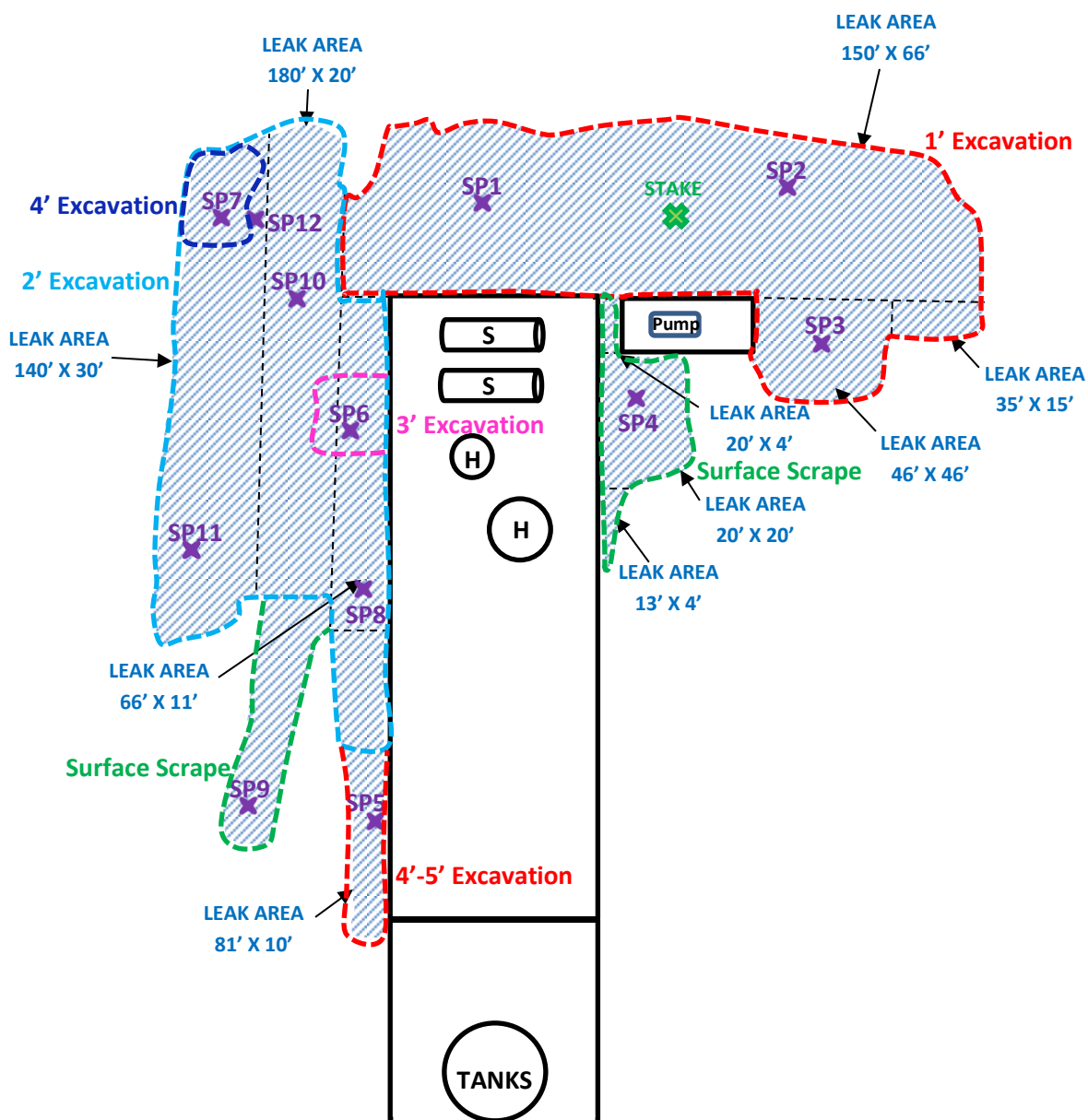




Concho
SRO State Unit #18H



U/L A, Section 17, T26S, R28E

Eddy County, NM

N 32.04953° W 104.10235°

API# 30-015-39999

BBC International, Inc.

Concho
SRO State Unit #18H

Date: 11/2/15

DRWG by: J. Gilkey

NOT TO SCALE

File: Concho 2015



Groundwater Plot

Concho SRO State Unit #18H

County
Eddy

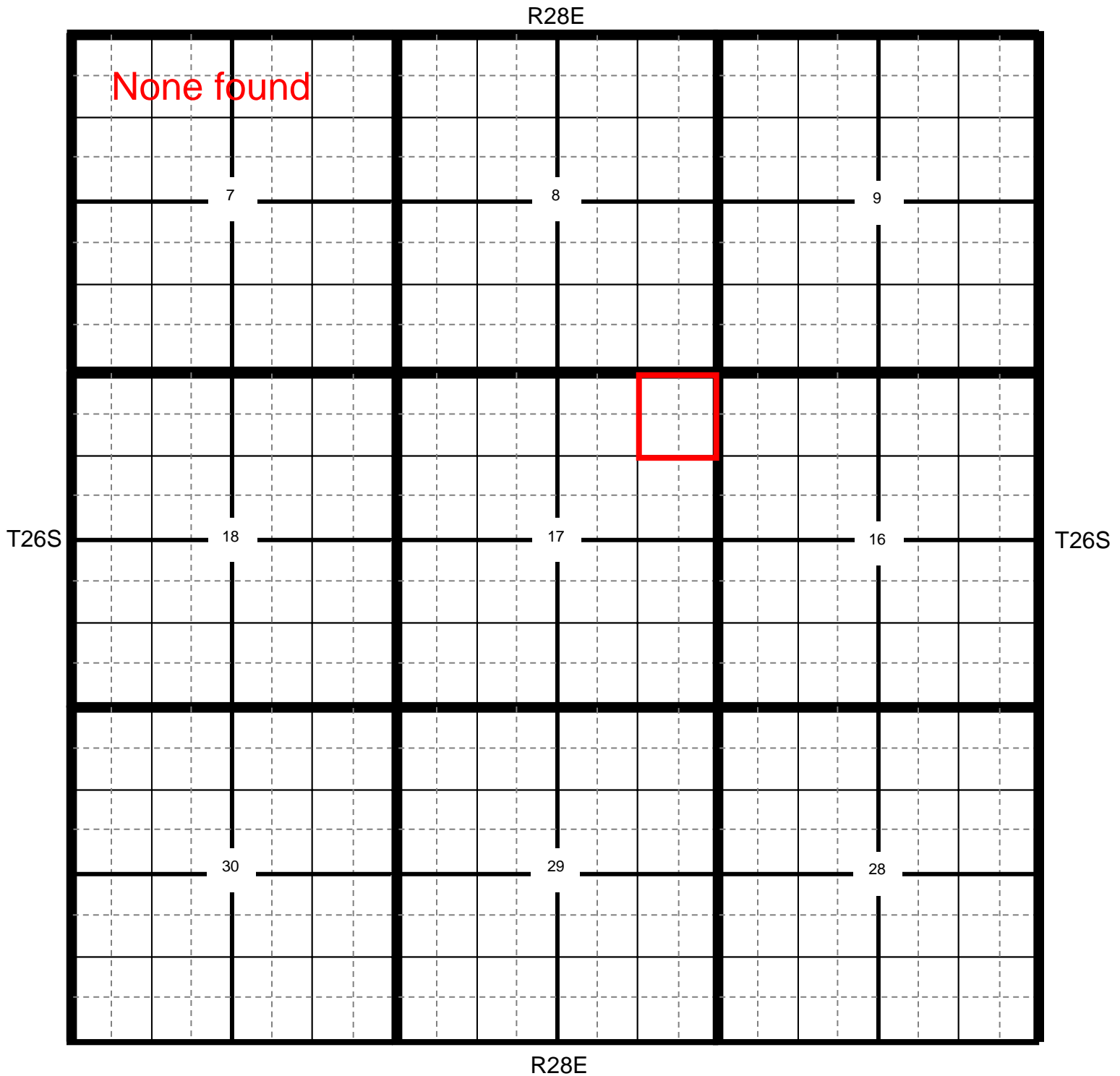
Unit Letter
A

Section
17

Township
26S

Range
28E

Trend Map <50'



★ Location

● OCD

● USGS

● SEO

● All Databases

Concho SRO State Unit #18H

County Eddy Unit Letter A Section 17 Township 26S Range 28E

Trend Map <50'

1

2

NW/NW None found Unit Letter D	NE/NW Unit Letter C	NW/NE Unit Letter B	NE/NE Unit Letter A
SW/NW Unit Letter E	SE/NW Unit Letter F	SW/NE Unit Letter G	SE/NE Unit Letter H
NW/SW Unit Letter L	NE/SW Unit Letter K	NW/SE Unit Letter J	NE/SE Unit Letter I
SW/SW Unit Letter M	SE/SW Unit Letter N	SW/SE Unit Letter O	SE/SE Unit Letter P

3

4

Laboratory Analytical Results Summary
SRO State Unit #18H

		Sample	SP1 @ 1'	SP1 @ 2'
Analyte	Method	Date	11/17/15	11/17/15
			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		224	192
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		180	53

		Sample	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	11/17/15	11/17/15
			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		240	192
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		169	43.2

		Sample	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	11/17/15	11/17/15
			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		512	304
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	11/17/15	11/17/15
			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		112	80
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0

		Sample	SP5 @ 1'	SP5 @ 3'	SP5 @ 5'	SP5 @ 6'
Analyte	Method	Date	11/18/15	11/18/15	11/18/15	11/18/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		896	1790	1440	128
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		171	<10.0	<10.0	<10.0

		Sample	SP6 @ 1'	SP6 @ 3'	SP6 @ 4'
Analyte	Method	Date	11/18/15	11/18/15	11/18/15
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2440	1570	144
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		96.2	<10.0	<10.0

		Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 4'	SP7 @ 5'
Analyte	Method	Date	11/19/15	11/19/15	11/19/15	11/19/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		3720	1960	1760	128
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		2010	1690	1890	<10.0

Laboratory Analytical Results Summary
SRO State Unit #18H

		Sample	SP8 @1'	SP8 @ 3'	SP8 @ 4'
Analyte	Method	Date	12/9/15	12/9/15	12/9/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		9200	784	32

		Sample	SP9 @1'	SP9 @ 2'	SP9 @ 3'
Analyte	Method	Date	12/9/15	12/9/15	12/9/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		32	32	32

		Sample	SP10 @1'	SP10 @ 2'	SP10 @ 3'
Analyte	Method	Date	12/9/15	12/9/15	12/9/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		8000	48	<16.0

		Sample	SP11 @1'	SP11 @ 2'	SP11 @ 3'
Analyte	Method	Date	12/9/15	12/9/15	12/9/15
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		2400	1960	32

		Sample	SP12 @1'	SP12 @ 2'	SP12 @ 4'	SP12 @ 5'
Analyte	Method	Date	12/9/15	12/9/15	12/9/15	12/9/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500Cl-B		896	400	256	<16.0

December 01, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SRO STATE UNIT #18H

Enclosed are the results of analyses for samples received by the laboratory on 11/23/15 16:51.

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,



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:	11/23/2015	Sampling Date:	11/17/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 1' (H503094-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTEX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	180	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 91.3 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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:	11/23/2015	Sampling Date:	11/17/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 2' (H503094-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	53.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 95.3 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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

Received:	11/23/2015	Sampling Date:	11/17/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 1' (H503094-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

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	11/30/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	169	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 97.5 % 35-147

Surrogate: 1-Chlorooctadecane 113 % 28-171

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Fax To: (575) 397-0397

Received:	11/23/2015	Sampling Date:	11/17/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 2' (H503094-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	43.2	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 93.5 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Fax To: (575) 397-0397

Received:	11/23/2015	Sampling Date:	11/17/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP3 @ 1' (H503094-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 89.5 % 35-147

Surrogate: 1-Chlorooctadecane 99.4 % 28-171

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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:	11/23/2015	Sampling Date:	11/17/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP3 @ 2' (H503094-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 92.8 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

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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: 11/23/2015
Reported: 12/01/2015
Project Name: SRO STATE UNIT #18H
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 1' (H503094-07)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/30/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 97.2 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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Fax To: (575) 397-0397

Received:	11/23/2015	Sampling Date:	11/17/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP4 @ 2' (H503094-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 81.9 % 35-147

Surrogate: 1-Chlorooctadecane 90.8 % 28-171

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

Received:	11/23/2015	Sampling Date:	11/18/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP5 @ 1' (H503094-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	171	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

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Fax To: (575) 397-0397

Received:	11/23/2015	Sampling Date:	11/18/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP5 @ 3' (H503094-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 91.1 % 35-147

Surrogate: 1-Chlorooctadecane 98.3 % 28-171

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Received:	11/23/2015	Sampling Date:	11/18/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP5 @ 5' (H503094-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

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Fax To: (575) 397-0397

Received:	11/23/2015	Sampling Date:	11/18/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP5 @ 6' (H503094-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/30/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 97.8 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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Analytical Results For:

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

Received:	11/23/2015	Sampling Date:	11/18/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP6 @ 1' (H503094-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	96.2	10.0	11/25/2015	ND	185	92.7	200	0.693	

Surrogate: 1-Chlorooctane 96.5 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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Hobbs NM, 88241
Fax To: (575) 397-0397

Received:	11/23/2015	Sampling Date:	11/18/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP6 @ 3' (H503094-14)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.4	2.00	1.73	
Toluene*	<0.050	0.050	11/30/2015	ND	1.75	87.5	2.00	1.70	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.79	89.5	2.00	2.01	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.51	91.8	6.00	2.06	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	205	103	200	0.847	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	200	100	200	0.181	

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 115 % 28-171

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Received:	11/23/2015	Sampling Date:	11/18/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP6 @ 4' (H503094-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.6	2.00	0.169		
Toluene*	<0.050	0.050	11/30/2015	ND	1.74	86.9	2.00	0.625		
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.81	90.4	2.00	0.288		
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.38	89.6	6.00	0.555		
Total BTEX	<0.300	0.300	11/30/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	205	103	200	0.847	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	200	100	200	0.181	

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 114 % 28-171

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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:	11/23/2015	Sampling Date:	11/19/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP7 @ 1' (H503094-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.6	2.00	0.169	
Toluene*	<0.050	0.050	11/30/2015	ND	1.74	86.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.81	90.4	2.00	0.288	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.38	89.6	6.00	0.555	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3720	16.0	11/30/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	205	103	200	0.847	
DRO >C10-C28	2010	10.0	11/25/2015	ND	200	100	200	0.181	

Surrogate: 1-Chlorooctane 97.8 % 35-147

Surrogate: 1-Chlorooctadecane 137 % 28-171

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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:	11/23/2015	Sampling Date:	11/19/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP7 @ 2' (H503094-17)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.6	2.00	0.169	
Toluene*	<0.050	0.050	11/30/2015	ND	1.74	86.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.81	90.4	2.00	0.288	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.38	89.6	6.00	0.555	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	11/30/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	205	103	200	0.847	
DRO >C10-C28	1690	10.0	11/25/2015	ND	200	100	200	0.181	

Surrogate: 1-Chlorooctane 97.9 % 35-147

Surrogate: 1-Chlorooctadecane 133 % 28-171

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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:	11/23/2015	Sampling Date:	11/19/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP7 @ 4' (H503094-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.6	2.00	0.169		
Toluene*	<0.050	0.050	11/30/2015	ND	1.74	86.9	2.00	0.625		
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.81	90.4	2.00	0.288		
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.38	89.6	6.00	0.555		
Total BTEx	<0.300	0.300	11/30/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	11/30/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	205	103	200	0.847	
DRO >C10-C28	1890	10.0	11/25/2015	ND	200	100	200	0.181	

Surrogate: 1-Chlorooctane 95.1 % 35-147

Surrogate: 1-Chlorooctadecane 132 % 28-171

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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:	11/23/2015	Sampling Date:	11/19/2015
Reported:	12/01/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP7 @ 5' (H503094-19)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2015	ND	1.75	87.6	2.00	0.169	
Toluene*	<0.050	0.050	11/30/2015	ND	1.74	86.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	11/30/2015	ND	1.81	90.4	2.00	0.288	
Total Xylenes*	<0.150	0.150	11/30/2015	ND	5.38	89.6	6.00	0.555	
Total BTX	<0.300	0.300	11/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/01/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2015	ND	205	103	200	0.847	
DRO >C10-C28	<10.0	10.0	11/25/2015	ND	200	100	200	0.181	

Surrogate: 1-Chlorooctane 100 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. 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:																									
City: Hobbs		Attn:																									
State: NM Zip: 88241		Address:																									
Phone #: 575-397-6388 Fax #: 575-397-0397		City:																									
Project #:		State:		Zip:																							
Project Name: SRO State Unit #18H		Phone #:																									
Project Location:		Fax #:																									
Sampler Name: Jeff Ornelas		PRESERV		SAMPLING																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING															
1503094		SP1 @ 1'		G		1		GROUNDWATER		✓		11-17-15 9:17 am		BTEX													
2		SP1 @ 2'		G		1		WASTEWATER		✓		11-17-15 9:30 am		TPH													
3		SP2 @ 1'		G		1		SOIL		✓		11-17-15 11:00 am		Chloride													
4		SP2 @ 2'		G		1		OIL		✓		11-17-15 11:30 am															
5		SP3 @ 1'		G		1		SLUDGE		✓		11-17-15 1:11 pm															
6		SP3 @ 2'		G		1		OTHER :		✓		11-17-15 1:22 pm															
7		SP4 @ 1'		G		1		ACID/BASE:		✓		11-17-15 2:55 pm															
8		SP4 @ 2'		G		1		ICE / COOL		✓		11-17-15 3:09 pm															
9		SP5 @ 1'		G		1		OTHER :		✓		11-18-15 9:00 am															
10		SP5 @ 3'		G		1				✓		11-18-15 9:29 am															
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Relinquished By: Jeff Ornelas		Date: 11/23/15		Received By: Republica		Date: 11/23/15		Time: 4:10 PM		Time: 4:15 PM		Time: 4:15 PM		Time: 4:15 PM													
Relinquished By: Jeff Ornelas		Date: 11/23/15		Received By: Republica		Date: 11/23/15		Time: 4:10 PM		Time: 4:15 PM		Time: 4:15 PM		Time: 4:15 PM													
Delivered By: (Circle One) Republica		Sample Condition		Cool		Intact		Checked By: (Initials)		1.6c		1.6c		1.6c													
Sampler - UPS - Bus - Other:		Sample Condition		Cool		Intact		Checked By: (Initials)		1.6c		1.6c		1.6c													
Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476																											



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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company:																			
City: Hobbs										Attn:																			
State: NM Zip: 88241										Address:																			
Phone #: 575-397-6388 Fax #: 575-397-0397										City:																			
Project #:										State:										Zip:									
Project Name: SRO State Unit #18H										Phone #:																			
Project Location:										Fax #:																			
Sampler Name: Jeff Ornelas										PRESERV:										SAMPLING									
FOR LAB USE ONLY										MATRIX																			
Lab I.D. Sample I.D.										(G)RAB OR (C)OMP.																			
										# CONTAINERS																			
										GROUNDWATER																			
										WASTEWATER																			
										SOIL																			
										OIL																			
										SLUDGE																			
										OTHER :																			
										ACID/BASE:																			
										ICE / COOL																			
										OTHER :																			
										DATE										TIME									
11-18-15										10:47 am										BTEX									
11-18-15										12:30 pm										TPH									
11-18-15										1:22 pm										Chloride									
11-18-15										2:01 pm																			
11-18-15										2:30 pm																			
11-19-15										8:50 am																			
11-19-15										9:30 am																			
11-19-15										10:27 am																			
11-19-15										11:11 am																			

Relinquished By: *Jeff Brunson* **Date:** 11/23/15 **Received By:** *Capuleo Ramirez*

Relinquished By: *Capuleo Ramirez* **Date:** 11/23/15 **Received By:** *Capuleo Ramirez*

Delivered By: (Circle One) *Capuleo Ramirez* **Time:** 4:51 PM **Sample Condition:** Cool ☒ Intact ☐ Yes ☐ No

Sampler - UPS - Bus - Other: *1.62* **CHECKED BY: (Initials)** *JS*

REMARKS:

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

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

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

December 11, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SRO STATE UNIT #18H

Enclosed are the results of analyses for samples received by the laboratory on 12/10/15 10:00.

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,



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:	12/10/2015	Sampling Date:	12/09/2015
Reported:	12/11/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP8 @1 (H503214-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	12/11/2015	ND	448	112	400	3.64	

Sample ID: SP8 @ 3 (H503214-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/11/2015	ND	448	112	400	3.64	

Sample ID: SP8 @ 4 (H503214-03)

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	12/11/2015	ND	448	112	400	3.64	

Sample ID: SP9 @ 1 (H503214-04)

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	12/11/2015	ND	448	112	400	3.64	

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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: 12/10/2015
Reported: 12/11/2015
Project Name: SRO STATE UNIT #18H
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/09/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP9 @ 2 (H503214-05)

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	12/11/2015	ND	448	112	400	3.64		

Sample ID: SP9 @ 3 (H503214-06)

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	12/11/2015	ND	448	112	400	3.64	

Sample ID: SP10 @ 1 (H503214-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	12/11/2015	ND	416	104	400	3.77		

Sample ID: SP10 @ 2 (H503214-08)

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	12/11/2015	ND	416	104	400	3.77		

Sample ID: SP10 @ 3 (H503214-09)

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	12/11/2015	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:	12/10/2015	Sampling Date:	12/09/2015
Reported:	12/11/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP11 @ 1 (H503214-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	12/11/2015	ND	416	104	400	3.77	

Sample ID: SP11 @ 2 (H503214-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	12/11/2015	ND	416	104	400	3.77	

Sample ID: SP11 @ 3 (H503214-12)

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	12/11/2015	ND	416	104	400	3.77	

Sample ID: SP12 @ 1 (H503214-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	12/11/2015	ND	416	104	400	3.77	

Sample ID: SP12 @ 2 (H503214-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/11/2015	ND	416	104	400	3.77	

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:	12/10/2015	Sampling Date:	12/09/2015
Reported:	12/11/2015	Sampling Type:	Soil
Project Name:	SRO STATE UNIT #18H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP12 @ 4 (H503214-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/11/2015	ND	416	104	400	3.77	

Sample ID: SP12 @ 5 (H503214-16)

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	12/11/2015	ND	416	104	400	3.77		

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name:

Project Location:

Sample Name:

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.

Sample I.D.

1503214

SP801

SP803

SP901

SP902

SP1001

SP1002

SP1003

SP1004

SP1005

SP1006

SP1007

SP1008

SP1009

SP1010

SP1011

SP1012

SP1013

SP1014

SP1015

SP1016

SP1017

SP1018

SP1019

SP1020

SP1021

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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

2/2

Company Name: BBC International, Inc.		P.O. #:		BILL TO												ANALYSIS REQUEST																									
Project Manager: Cliff Brunson		Company:																																							
Address: P.O. Box 805		Attn:																																							
City: Hobbs		Address:																																							
Phone #: 575-397-6388		City:																																							
Fax #: 575-397-0397		State:																																							
Project #:		Zip:																																							
Project Name: SPO State Unit #10H		Phone #:																																							
Project Location: M21292		Fax #:																																							
Sample Name: Test One																																									
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
#503214		SP1102		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		12-9		150		X											
11.		SP1103		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		12-9		200		X											
12.		SP1201		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		12-9		222		X											
13.		SP1202		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		12-9		230		X											
14.		SP1203		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		12-9		245		X											
15.		SP1204		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		12-9		250		X											
16.		SP1205		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		E1		12-9		250		X											
Relinquished By:		Date:		Received By:		Date:		Sample Condition		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		REMARKS:																	
Jeff Oneley		4-10-15		Samir Goley		4-10-15		Sample Condition		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		Rush																	
Delivered By: (Circle One)		Time:		Received By:		Time:		Sample Condition		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		Rush																	
Samir Goley		10:00		Samir Goley		10:00		Sample Condition		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		Rush																	
Sampler - UPS - Bus - Other:																																									

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

#54

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: SRO State Unit #18H	Facility Type: Battery

Surface Owner: State	Mineral Owner:	API No. 30-015-39999
----------------------	----------------	----------------------

LOCATION OF RELEASE

Unit Letter A	Section 17	Township 26S	Range 28E	Feet from the 330'	North/South Line North	Feet from the 330'	East/West Line East	County Eddy
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Latitude 32.0488815 Longitude -104.1021042

NATURE OF RELEASE

Type of Release: Oil & Produced Water	Volume of Release: 20 bbls Oil ; 5 bbls PW	Volume Recovered: 15 bbls Oil ; 3 bbls PW
Source of Release: Gasket Failure on FWKO	Date and Hour of Occurrence: 9/30/2015 7:30 am	Date and Hour of Discovery: 9/30/2015 7:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher – NMOCD	
By Whom? Amanda Trujillo	Date and Hour: Thu 10/1/2015 4:40 PM	
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.*

This release was caused by a gasket failure on a FWKO. Vacuum trucks were dispatched to recover any standing fluids.

Describe Area Affected and Cleanup Action Taken.*

The gasket sprayed out to the north and the west of the battery. Microblaze was applied to the pasture area. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Amanda Trujillo	Approved by Environmental Specialist:		
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: atrujillo@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: October 14, 2015 Phone: 575-748-6940			

* Attach Additional Sheets If Necessary