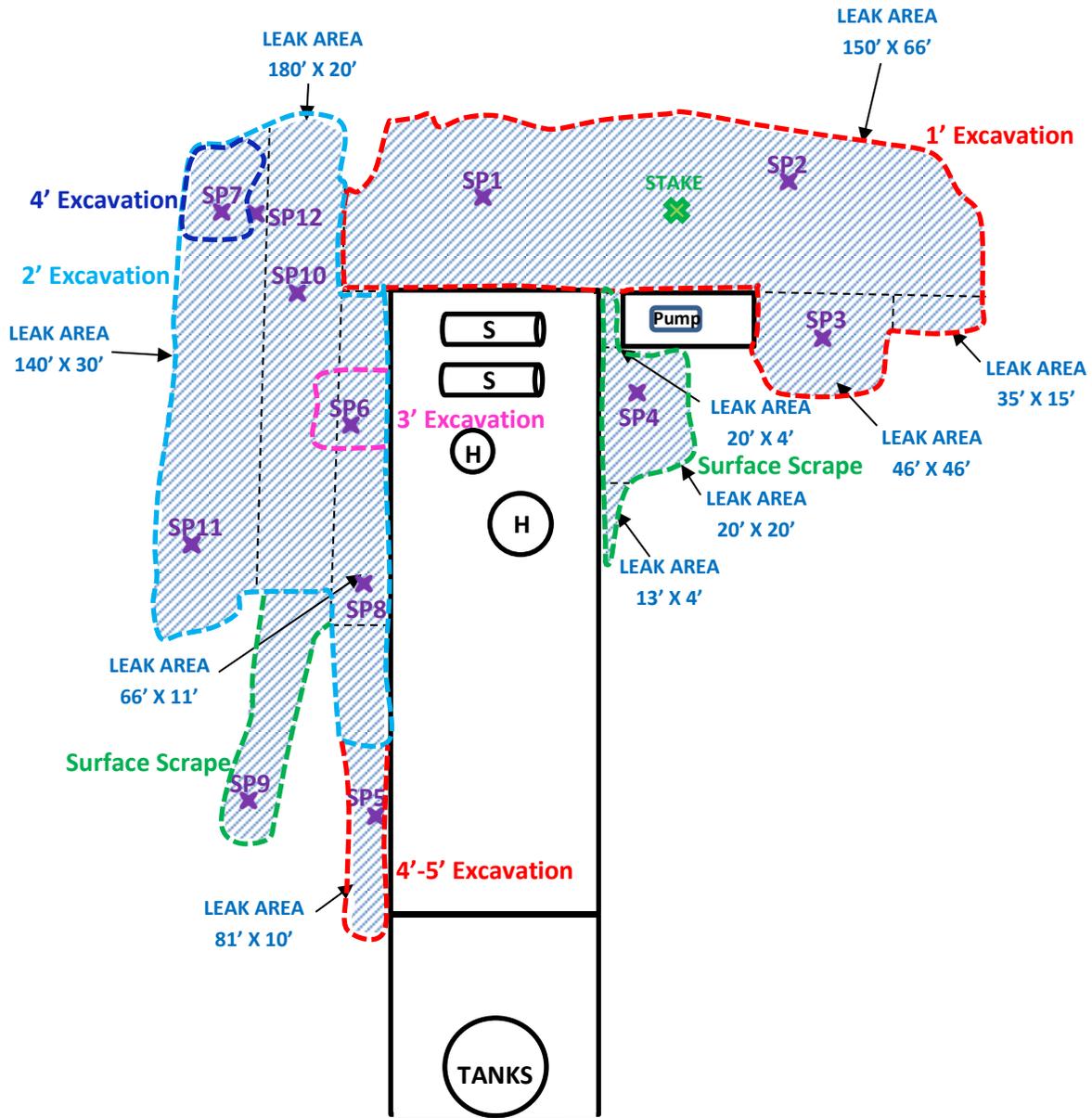


Concho

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

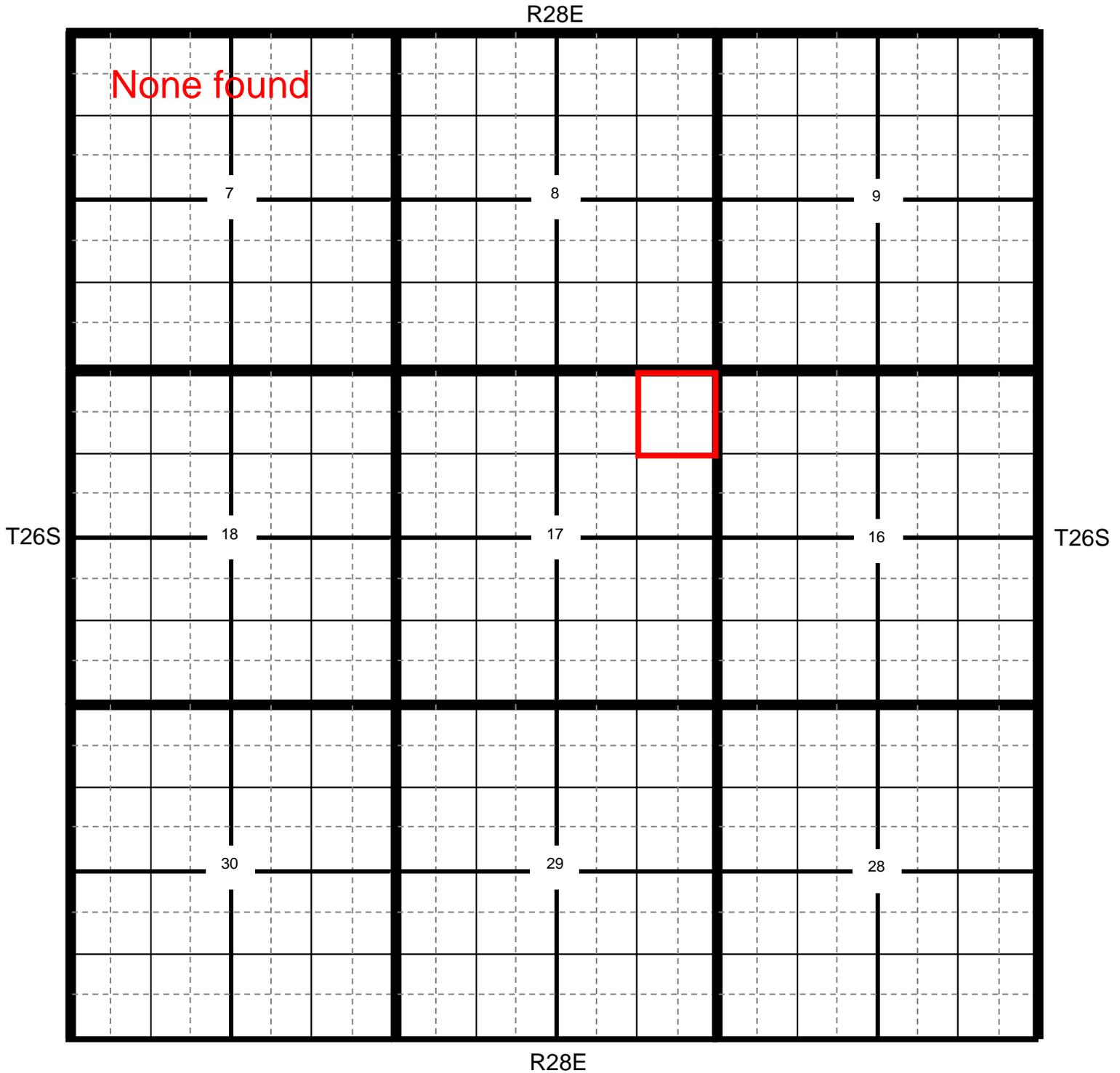
File: Concho 2015

Groundwater Plot

Concho SRO State Unit #18H

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

Trend Map <50'



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	NE/NW	NW/NE	NE/NE
Unit Letter D	Unit Letter C	Unit Letter B	Unit Letter A
SW/NW	SE/NW	SW/NE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NE/SW	NW/SE	NE/SE
Unit Letter L	Unit Letter K	Unit Letter J	Unit Letter I
SW/SW	SE/SW	SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

3

4

Laboratory Analytical Results Summary
SRO State Unit #18H

Analyte	Method	Sample	SP1 @ 1'	SP1 @ 2'
		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

Analyte	Method	Sample	SP2 @ 1'	SP2 @ 2'
		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

Analyte	Method	Sample	SP3 @ 1'	SP3 @ 2'
		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

Analyte	Method	Sample	SP4 @ 1'	SP4 @ 2'
		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

Analyte	Method	Sample	SP5 @ 1'	SP5 @ 3'	SP5 @ 5'	SP5 @ 6'
		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

Analyte	Method	Sample	SP6 @ 1'	SP6 @ 3'	SP6 @ 4'
		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

Analyte	Method	Sample	SP7 @ 1'	SP7 @ 2'	SP7 @ 4'	SP7 @ 5'
		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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	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)

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) 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	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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Celey D. Keene, Lab Director/Quality Manager

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:	11/17/2015
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)

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) 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	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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Analytical Results For:

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 Hobbs NM, 88241
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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)

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	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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 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 @ 1' (H503094-05)

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	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)

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, 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	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 @ 1' (H503094-07)

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) 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	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)

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) 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	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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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)

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) 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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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)

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	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)

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	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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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)

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) 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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 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)

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) 105 % 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	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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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)

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) 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)

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) 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	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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 P.O. Box 805
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 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)

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) 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	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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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, SM4500Cl-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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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)

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) 105 % 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	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



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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.
 Project Manager: Cliff Brunson
 Address: P.O. Box 805
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397
 Project #: Project Owner:
 Project Name: SRO State Unit #18H
 Project Location:
 Sampler Name: Jeff Ornelas
 P.O. #: Company:
 Attn: Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
11	SP5 @ 5'	G	1	/	/	/	/	/	/	/	/	/	/	
12	SP5 @ 6'	G	1	/	/	/	/	/	/	/	/	/	/	
13	SP6 @ 1'	G	1	/	/	/	/	/	/	/	/	/	/	
14	SP6 @ 3'	G	1	/	/	/	/	/	/	/	/	/	/	
15	SP6 @ 4'	G	1	/	/	/	/	/	/	/	/	/	/	
16	SP7 @ 1'	G	1	/	/	/	/	/	/	/	/	/	/	
17	SP7 @ 2'	G	1	/	/	/	/	/	/	/	/	/	/	
18	SP7 @ 4'	G	1	/	/	/	/	/	/	/	/	/	/	
19	SP7 @ 5'	G	1	/	/	/	/	/	/	/	/	/	/	

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Relinquished By: *Jeff Ornelas* Date: 11/23/15 Time: 4:10 PM Received By: *Cecilia Lemis* Date: 11/23/15 Time: 4:51 PM
 Delivered By: (Circle One) *Cecilia Lemis* Sample Condition: Intact Cool Yes No
 Sampler - UPS - Bus - Other: *1.62* CHECKED BY: *[Signature]*
 Remarks: *#4*



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,

A handwritten signature in black ink that reads "Celey D. Keene".

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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Analytical Results For:

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 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: 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, 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: SP10 @ 1 (H503214-07)

Chloride, SM4500Cl-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, SM4500Cl-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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 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, SM4500Cl-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, 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	416	104	400	3.77	

Sample ID: SP12 @ 1 (H503214-13)

Chloride, SM4500Cl-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	

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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



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

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

COE

1/2

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: SPO State Unit #18H

Project Location: Mel292

Sampler Name: Jeff Cymelag

FOR LAB USE ONLY

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Lab I.D. H503214

Sample I.D.

SP801
SP802
SP803
SP804
SP901
SP902
SP903
SP1001
SP1002
SP1003
SP1101
SP1102
SP1103

(G)RAB OR (C)OMP.
CONTAINERS

GROUNDWATER
WASTEWATER

MATRIX
SOIL
OIL
SLUDGE

OTHER:
ACID/BASE:

ICE / COOL
OTHER:

DATE

TIME

12-9
111
1140
1150
1210
1222
1231
100
111
148
140

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PLEASE NOTE: Liberty and Deming, Cardinal's lab and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jeff Cymelag

Date: 12-10-15

Time: 9:50

Received By: Jennifer Gentry

Date: 12-10-15

Time: 10:00

Received By: Jennifer Gentry

Date: 12-10-15

Time: 10:00

Received By: Jennifer Gentry

Delivered By: (Circle One) Jennifer Gentry

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intake

Checked By: (Initials)

Phone Result:

Fax Result:

REMARKS: Rush

Phone #:

Relinquished By: Jeff Cymelag

Date: 12-10-15

Time: 9:50

Received By: Jennifer Gentry

Date: 12-10-15

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Received By: Jennifer Gentry

Date: 12-10-15

Time: 10:00

Received By: Jennifer Gentry

Date: 12-10-15

Time: 10:00

Received By: Jennifer Gentry

#54

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



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #:
 Project Manager: Cliff Brunson Company:
 Address: P.O. Box 805 State: NM Zip: 88241 Attn:
 City: Hobbs Fax #: 575-397-6388 Fax #: 575-397-0397 Address: COE
 Phone #: 575-397-6388 Fax #: 575-397-0397 City: COE
 Project #: Project Owner: CoFH State: Zip:
 Project Name: SPO State Unit #10H
 Project Location: MP1292 Phone #:
 Sampler Name: Jeff Buckley Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
#503214	SP1102		1			✓				12-9	150	X
11.	SP1203		1			✓					200	X
13	SP1207		1			✓					222	X
17	SP1207		1			✓					230	X
15	SP1207		1			✓					245	X
16	SP1207		1			✓					250	X

FOR LAB USE ONLY

RECEIVED BY: *Samirja Selley* DATE: *11-10-15* TIME: *9:50*

DELIVERED BY: *Jeff Buckley* DATE: *12-10-15* TIME: *10:00*

CHECKED BY: *Jeff Buckley*

REMARKS: *Rush*

† 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

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

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	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	17	26S	28E	330'	North	330'	East	Eddy

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:	
Date: October 14, 2015 Phone: 575-748-6940	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary