



PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805
E-MAIL: cbrunson@bbcinternational.com

COG – GJ West Coop Unit N TB

REMEDIATION PLAN

COG will excavate the spill area as depicted on the following site diagram. The spill area near sample points SP1, SP-2, and SP-3 will be excavated to remove as much as practicable by hand. Then this area will be placed on a deferral. In the area of SP-4, the excavation will be to a depth of 4 feet with an impermeable liner and in the area of SP-5, the excavation depth will be 3 feet with an impermeable liner placed in the excavation. The entire site will be backfilled with clean soil.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

9/11/2015



SP1

SP2

SP3

SP4

SP5

© 2016 Google

Google earth

76 ft

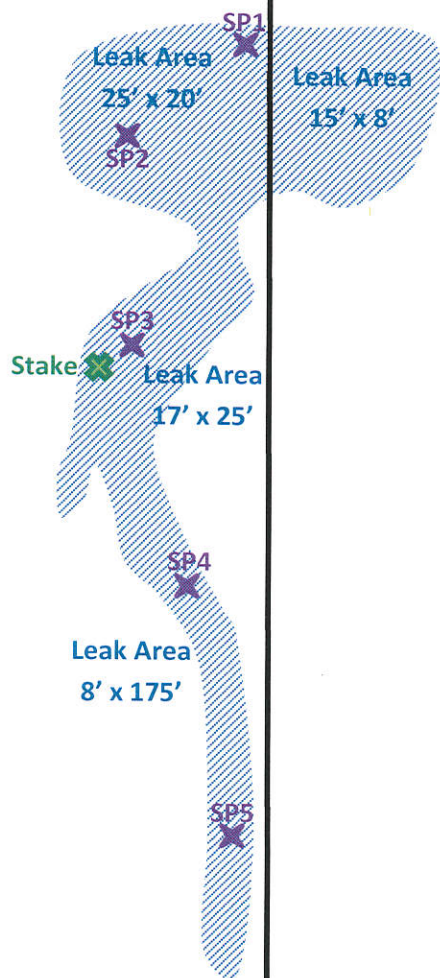
1996

Imagery Date: 3/12/2016 lat 32.820685° lon -104.076894° elev 3596 ft eye alt 3948 ft



Concho

GJ West Coop Unit N TB (2/24/16)



U/L G, Section 21, T17S, R29E

Eddy County, NM

N 32.82088° W 104.07718°

BBC International, Inc.

Concho

GJ West Coop Unit N TB

Date: 06/02/2016

DRWG by: K. Purvis

NOT TO SCALE

File: COG 2016



Groundwater Plot

Concho GJ West Coop Unit North TB

County
Eddy

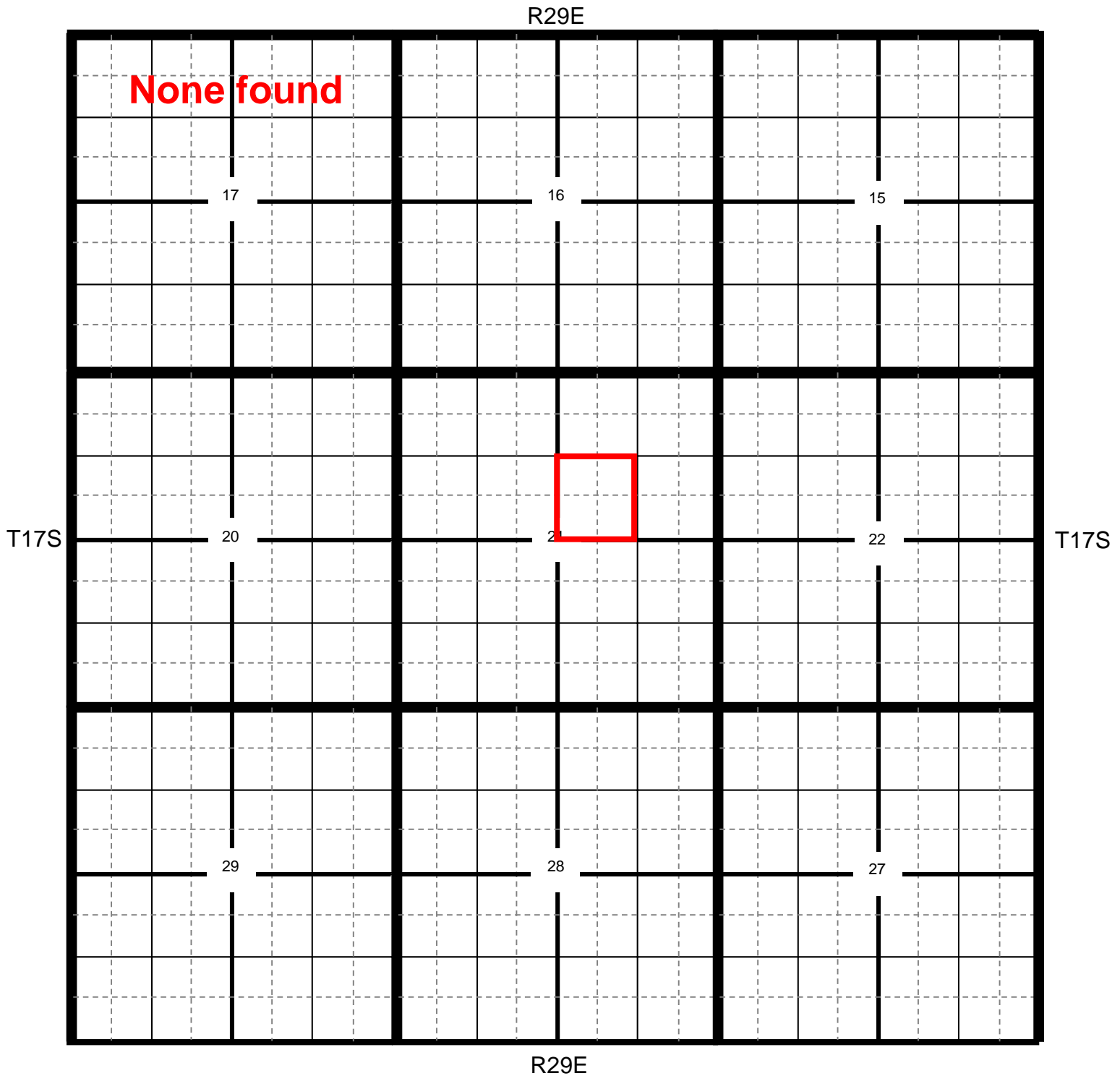
Unit Letter
G

Section
21

Township
17S

Range
29E

Trend Map 75'-100'



📍 Location

● OCD

● USGS

● SEO

● All Databases

Concho GJ West Coop Unit North TB

County Eddy **Unit Letter** G **Section** 21 **Township** 17S **Range** 29E

Trend Map 75'-100'

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
GJ West Coop Unit N TB

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 6'	SP1 @ 8'
Analyte	Method	Date	5/31/16	5/31/16	5/31/16	5/31/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		0.082	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		0.249	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		0.331	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		10800	11600	11200	12000
GRO	TPH 8015M		<50.0	<50.0	<10.0	<10.0
DRO	TPH 8015M		157	143	39.9	<10.0

		Sample	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
Analyte	Method	Date	6/1/16	6/3/16	6/3/16	6/3/16	6/3/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<1.00	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.12	7.45	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	17.3	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		34.4	31.5	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		35.5	56.2	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2400	96	80	3040	1440
GRO	TPH 8015M		1090	1610	<10.0	<10.0	<10.0
DRO	TPH 8015M		4990	6180	157	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 3'	SP2 @ 6'
Analyte	Method	Date	5/31/16	5/31/16	5/31/16
			mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		0.109	<0.050	n/a
Ethylbenzene	BTEX 8021B		0.137	0.064	n/a
Total Xylenes	BTEX 8021B		0.563	0.241	n/a
Total BTEX	BTEX 8021B		0.809	0.304	n/a
Chloride	SM4500Cl-B		12800	11100	9200
GRO	TPH 8015M		<50.0	<10.0	<10.0
DRO	TPH 8015M		<50.0	114	<10.0

		Sample	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'
Analyte	Method	Date	6/1/16	6/3/16	6/3/16	6/3/16	6/3/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<1.00	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<1.00	<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<1.00	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		30.3	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		30.3	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		2960	784	2600	3320	2360
GRO	TPH 8015M		1350	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		7420	159	<10.0	<10.0	<10.0

		Sample	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	6/1/16	6/3/16	6/3/16	6/3/16	6/3/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<1.00	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<1.00	<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<1.00	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		28.7	<0.150	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		28.7	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		3040	800	2880	3320	1920
GRO	TPH 8015M		1440	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		7510	126	<10.0	<10.0	<10.0



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

June 13, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GJ WEST COOP NTB

Enclosed are the results of analyses for samples received by the laboratory on 06/06/16 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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 with a large, stylized 'C' and 'K'.

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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/31/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 1' (H601235-01)

BTEX 8260B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<0.050	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	0.082	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	0.249	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTEX	0.331	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 104 % 90.4-111
Surrogate: Toluene-d8 101 % 85.3-114
Surrogate: 4-Bromofluorobenzene 98.5 % 80.1-121

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/08/2016	ND	173	86.5	200	3.83	
DRO >C10-C28	157	50.0	06/08/2016	ND	183	91.3	200	4.76	

Surrogate: 1-Chlorooctane 76.4 % 35-147
Surrogate: 1-Chlorooctadecane 122 % 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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/31/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 3' (H601235-02)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<0.050	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 98.9 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.4 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/08/2016	ND	173	86.5	200	3.83	
DRO >C10-C28	143	50.0	06/08/2016	ND	183	91.3	200	4.76	

Surrogate: 1-Chlorooctane 76.7 % 35-147

Surrogate: 1-Chlorooctadecane 121 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/31/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 6' (H601235-03)

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<0.050	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTEX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 105 % 90.4-111
Surrogate: Toluene-d8 96.4 % 85.3-114
Surrogate: 4-Bromofluorobenzene 97.7 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	173	86.5	200	3.83	
DRO >C10-C28	39.9	10.0	06/08/2016	ND	183	91.3	200	4.76	

Surrogate: 1-Chlorooctane 78.7 % 35-147
Surrogate: 1-Chlorooctadecane 97.0 % 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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/31/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP1 @ 8' (H601235-04)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	06/08/2016	ND	384	96.0	400	4.08	

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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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/31/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 1' (H601235-05)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	0.109	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	0.137	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	0.563	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTX	0.809	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 103 % 90.4-111
Surrogate: Toluene-d8 102 % 85.3-114
Surrogate: 4-Bromofluorobenzene 98.1 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12800	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	06/08/2016	ND	173	86.5	200	3.83	
DRO >C10-C28	<50.0	50.0	06/08/2016	ND	183	91.3	200	4.76	

Surrogate: 1-Chlorooctane 66.4 % 35-147
Surrogate: 1-Chlorooctadecane 93.4 % 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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/31/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 3' (H601235-06)

BTEx 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<0.050	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	0.064	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	0.241	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTEX	0.304	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 103 % 90.4-111
Surrogate: Toluene-d8 99.8 % 85.3-114
Surrogate: 4-Bromofluorobenzene 100 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11100	16.0	06/08/2016	ND	384	96.0	400	4.08		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	114	10.0	06/08/2016	ND	209	104	200	2.15	QM-07

Surrogate: 1-Chlorooctane 95.5 % 35-147
Surrogate: 1-Chlorooctadecane 85.3 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 05/31/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP2 @ 6' (H601235-07)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	06/08/2016	ND	384	96.0	400	4.08	

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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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/01/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 1' (H601235-08)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<1.00	1.00	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	<1.00	1.00	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	30.3	3.00	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTX	30.3	6.00	06/09/2016	ND					

Surrogate: Dibromofluoromethane 105 % 90.4-111
Surrogate: Toluene-d8 97.7 % 85.3-114
Surrogate: 4-Bromofluorobenzene 108 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	06/08/2016	ND	384	96.0	400	4.08	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1350	200	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	7420	200	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 225 % 35-147
Surrogate: 1-Chlorooctadecane 190 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 2' (H601235-09)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<0.050	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 96.2 % 85.3-114

Surrogate: 4-Bromofluorobenzene 103 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	159	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 101 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 3' (H601235-10)

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<0.050	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTEX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 103 % 90.4-111

Surrogate: Toluene-d8 99.1 % 85.3-114

Surrogate: 4-Bromofluorobenzene 99.4 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	06/08/2016	ND	384	96.0	400	4.08		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	<10.0	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 88.4 % 35-147

Surrogate: 1-Chlorooctadecane 82.7 % 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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 4' (H601235-11)

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<0.050	0.050	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTEX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 102 % 90.4-111

Surrogate: Toluene-d8 97.5 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.8 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	<10.0	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 88.3 % 35-147

Surrogate: 1-Chlorooctadecane 87.6 % 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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP3 @ 5' (H601235-12)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	06/08/2016	ND	384	96.0	400	4.08	

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/01/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 1' (H601235-13)

BTEx 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	06/09/2016	ND	2.03	101	2.00	2.70	
Toluene*	<1.00	1.00	06/09/2016	ND	2.14	107	2.00	3.42	
Ethylbenzene*	<1.00	1.00	06/09/2016	ND	2.12	106	2.00	4.37	
Total Xylenes*	28.7	3.00	06/09/2016	ND	7.12	119	6.00	2.75	
Total BTEX	28.7	6.00	06/09/2016	ND					

Surrogate: Dibromofluoromethane 104 % 90.4-111
Surrogate: Toluene-d8 96.6 % 85.3-114
Surrogate: 4-Bromofluorobenzene 108 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	06/08/2016	ND	384	96.0	400	4.08		
TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1440	200	06/08/2016	ND	206	103	200	1.60		
DRO >C10-C28	7510	200	06/08/2016	ND	209	104	200	2.15		

Surrogate: 1-Chlorooctane 225 % 35-147
Surrogate: 1-Chlorooctadecane 209 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 2' (H601235-14)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	1.91	95.3	2.00	0.0315	
Toluene*	<0.050	0.050	06/09/2016	ND	2.01	100	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	1.97	98.3	2.00	0.00101	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	6.55	109	6.00	0.681	
Total BTX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 103 % 90.4-111

Surrogate: Toluene-d8 98.1 % 85.3-114

Surrogate: 4-Bromofluorobenzene 103 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	126	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 99.3 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 3' (H601235-15)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	1.91	95.3	2.00	0.0315	
Toluene*	<0.050	0.050	06/09/2016	ND	2.01	100	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	1.97	98.3	2.00	0.00101	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	6.55	109	6.00	0.681	
Total BTX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 103 % 90.4-111
Surrogate: Toluene-d8 97.6 % 85.3-114
Surrogate: 4-Bromofluorobenzene 98.7 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	<10.0	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 85.0 % 35-147
Surrogate: 1-Chlorooctadecane 80.4 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 4' (H601235-16)

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2016	ND	1.91	95.3	2.00	0.0315	
Toluene*	<0.050	0.050	06/09/2016	ND	2.01	100	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/09/2016	ND	1.97	98.3	2.00	0.00101	
Total Xylenes*	<0.150	0.150	06/09/2016	ND	6.55	109	6.00	0.681	
Total BTEX	<0.300	0.300	06/09/2016	ND					

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 97.9 % 85.3-114

Surrogate: 4-Bromofluorobenzene 98.3 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	06/08/2016	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	<10.0	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 83.8 % 35-147

Surrogate: 1-Chlorooctadecane 82.3 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP4 @ 5' (H601235-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	06/08/2016	ND	384	96.0	400	4.08	

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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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/01/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 1' (H601235-18)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	06/09/2016	ND	1.91	95.3	2.00	0.0315	
Toluene*	1.12	0.500	06/09/2016	ND	2.01	100	2.00	1.18	
Ethylbenzene*	<0.500	0.500	06/09/2016	ND	1.97	98.3	2.00	0.00101	
Total Xylenes*	34.4	1.50	06/09/2016	ND	6.55	109	6.00	0.681	
Total BTX	35.5	3.00	06/09/2016	ND					

Surrogate: Dibromofluoromethane 106 % 90.4-111
Surrogate: Toluene-d8 102 % 85.3-114
Surrogate: 4-Bromofluorobenzene 126 % 80.1-121

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	06/08/2016	ND	384	96.0	400	4.08	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1090	200	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	4990	200	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 170 % 35-147
Surrogate: 1-Chlorooctadecane 122 % 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: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 2' (H601235-19)

BTX 8260B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	06/10/2016	ND	1.91	95.3	2.00	0.0315	
Toluene*	7.45	1.00	06/10/2016	ND	2.01	100	2.00	1.18	
Ethylbenzene*	17.3	1.00	06/10/2016	ND	1.97	98.3	2.00	0.00101	
Total Xylenes*	31.5	3.00	06/10/2016	ND	6.55	109	6.00	0.681	
Total BTX	56.2	6.00	06/10/2016	ND					

Surrogate: Dibromofluoromethane 107 % 90.4-111

Surrogate: Toluene-d8 99.9 % 85.3-114

Surrogate: 4-Bromofluorobenzene 113 % 80.1-121

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/08/2016	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: CK					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1610	200	06/08/2016	ND	206	103	200	1.60		
DRO >C10-C28	6180	200	06/08/2016	ND	209	104	200	2.15		

Surrogate: 1-Chlorooctane 230 % 35-147

Surrogate: 1-Chlorooctadecane 151 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 3' (H601235-20)

BTEX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2016	ND	1.91	95.3	2.00	0.0315	
Toluene*	<0.050	0.050	06/10/2016	ND	2.01	100	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/10/2016	ND	1.97	98.3	2.00	0.00101	
Total Xylenes*	<0.150	0.150	06/10/2016	ND	6.55	109	6.00	0.681	
Total BTEX	<0.300	0.300	06/10/2016	ND					

Surrogate: Dibromofluoromethane 105 % 90.4-111
Surrogate: Toluene-d8 95.0 % 85.3-114
Surrogate: 4-Bromofluorobenzene 101 % 80.1-121

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	06/08/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	157	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 103 % 35-147
Surrogate: 1-Chlorooctadecane 104 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 4' (H601235-21)

BTX 8260B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2016	ND	1.91	95.3	2.00	0.0315	
Toluene*	<0.050	0.050	06/10/2016	ND	2.01	100	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/10/2016	ND	1.97	98.3	2.00	0.00101	
Total Xylenes*	<0.150	0.150	06/10/2016	ND	6.55	109	6.00	0.681	
Total BTX	<0.300	0.300	06/10/2016	ND					

Surrogate: Dibromofluoromethane 104 % 90.4-111

Surrogate: Toluene-d8 97.8 % 85.3-114

Surrogate: 4-Bromofluorobenzene 103 % 80.1-121

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	06/08/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/08/2016	ND	206	103	200	1.60	
DRO >C10-C28	<10.0	10.0	06/08/2016	ND	209	104	200	2.15	

Surrogate: 1-Chlorooctane 91.2 % 35-147

Surrogate: 1-Chlorooctadecane 89.2 % 28-171

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

Received: 06/06/2016
Reported: 06/13/2016
Project Name: GJ WEST COOP NTB
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/03/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP5 @ 5' (H601235-22)**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	06/08/2016	ND	432	108	400	3.77	

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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

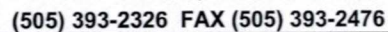
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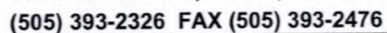


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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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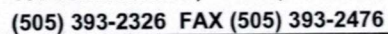


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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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: GJ West Coop Unit North Tank Battery	Facility Type: Battery

Surface Owner: State	Mineral Owner:	API No. NA
----------------------	----------------	------------

LOCATION OF RELEASE

Unit Letter G	Section 21	Township 17S	Range 29E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude 32.82109 Longitude -104.07641

NATURE OF RELEASE

Type of Release: Oil & Produced Water	Volume of Release: 2 bbls Oil ; 3 bbls PW	Volume Recovered: 2 bbls Oil ; 1 bbls PW
Source of Release: Flowline	Date and Hour of Occurrence: 2/24/2016 12:00 pm	Date and Hour of Discovery: 2/24/2016 12:00 pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.*

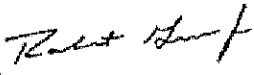
Describe Cause of Problem and Remedial Action Taken.*

This release was caused by a corroded steel flowline. A vacuum truck was dispatched to recover standing fluid.

Describe Area Affected and Cleanup Action Taken.*

This release occurred along the west fence line of the battery. 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: Robert Grubbs		Approved by Environmental Specialist:	
Title: Senior Environmental Coordinator		Approval Date:	Expiration Date:
E-mail Address: rgrubbs@concho.com		Conditions of Approval:	
Date: March 8, 2016 Phone: 432-230-0077		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary .