



COG (CONCHO) – TRAPPER 13 FED COM #2

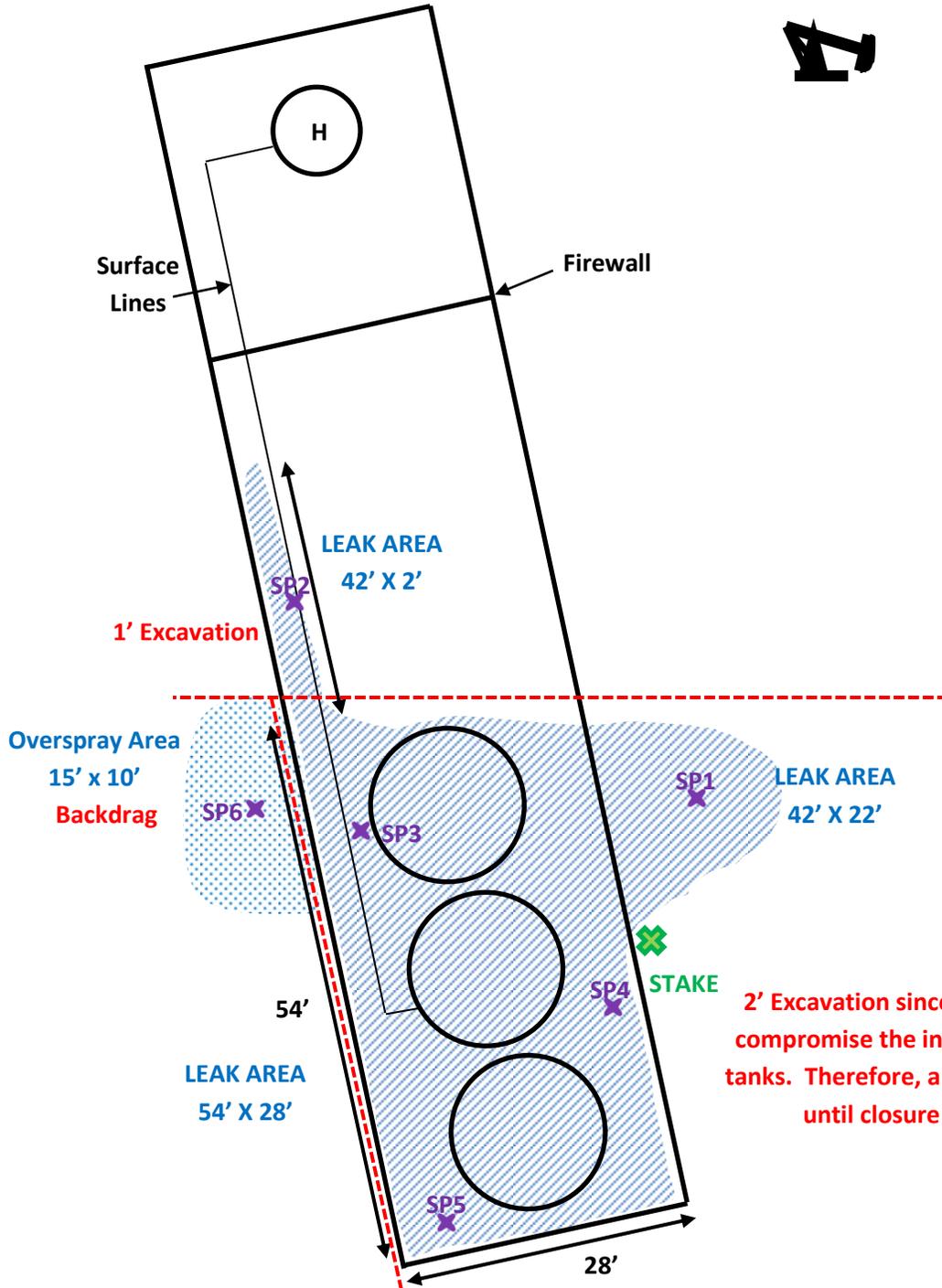
REMEDIATION PLAN

COG will excavate the spill area as depicted on the following site diagram. The spill area covering SP1, SP3, SP4 and SP5 will be excavated to a depth of 2 feet since any deeper would compromise the integrity and safety of the tanks. Since this is an operating battery, a deferral is requested until the closure of this facility. The area covering SP2 will be excavated to a depth of 1 foot. The area covering SP6 will be back-dragged. The excavated areas will then be backfilled with clean soil.

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



Concho
Trapper 13 Fed Com #2



2' Excavation since any deeper would compromise the integrity/safety of the tanks. Therefore, a deferral is requested until closure of the facility.

U/L A, Section 13, T19S, R31E

Eddy County, NM

N 32.6659851° W 103.8169861°

API# 30-015-31568

BBC International, Inc.

Concho

Trapper 13 Fed Com #2

Date: 11/6/15

DRWG by: J.Gilkey

NOT TO SCALE

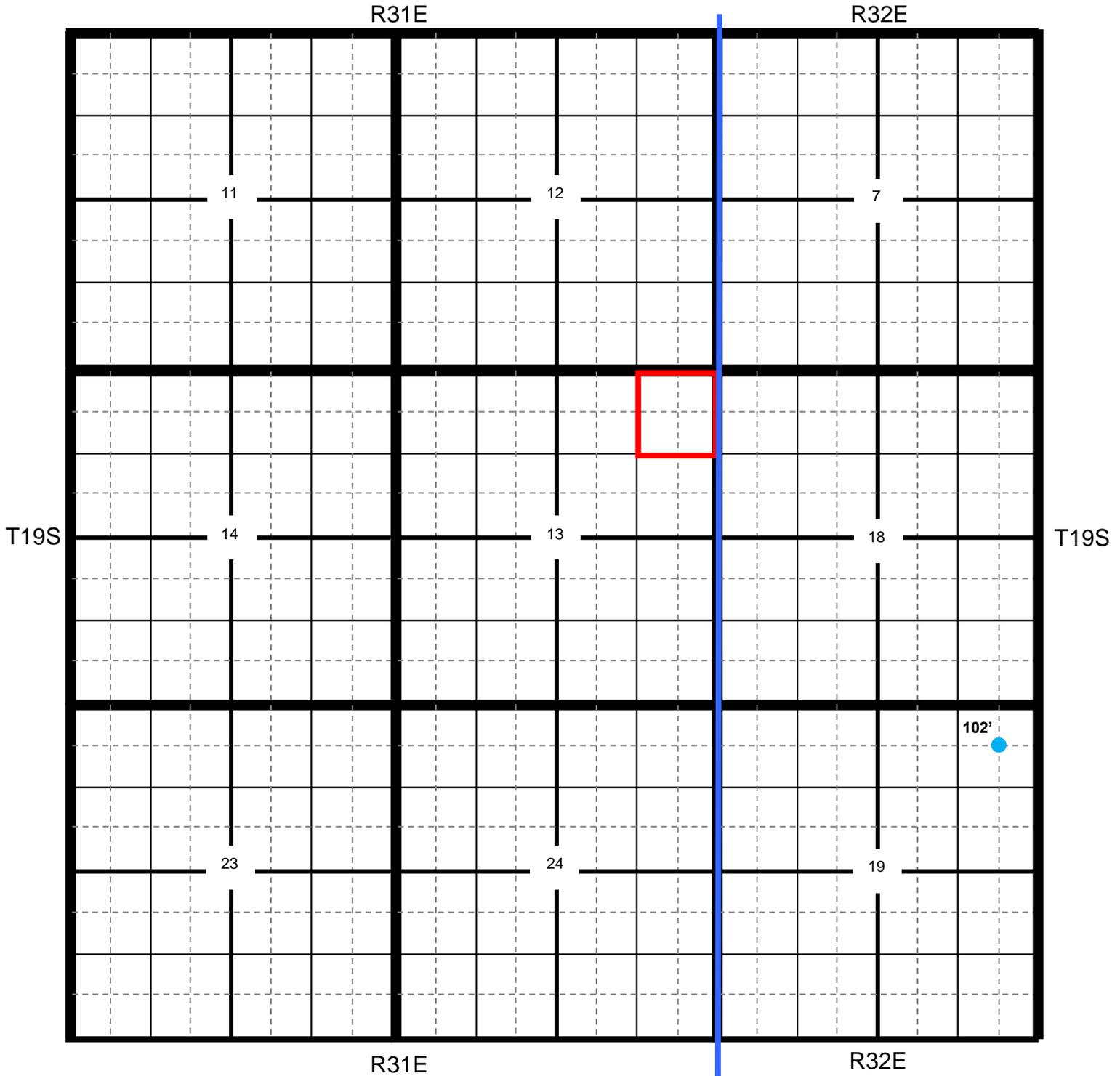
File: Concho 2015

Groundwater Plot

Concho Trapper 13 Fed Com #2

County: Lea Unit Letter: A Section: 13 Township: 19S Range: 31E

Trend Map 350'



Concho Trapper 13 Federal Com #2

County **Unit Letter** **Section** **Township** **Range**
 Lea A 13 19S 31E

Trend Map 350'

1

2

NW/NW <b style="color: red; font-size: 1.2em;">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
Trapper 13 Fed Com #2

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
			11/11/15	11/11/15	11/12/15	11/12/15	11/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1330	2800	3440	640	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0

Analyte	Method	Sample Date	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'
			11/11/15	11/11/15	11/11/15	11/12/15	11/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050	<0.500	<0.050
Toluene	BTEX 8021B		7.01	<0.050	<0.050	1.27	<0.050
Ethylbenzene	BTEX 8021B		11.7	<0.050	<0.050	3.36	<0.050
Total Xylenes	BTEX 8021B		45.7	<0.150	0.151	24.3	<0.150
Total BTEX	BTEX 8021B		64.4	<0.300	<0.300	28.9	<0.300
Chloride	SM4500Cl-B		336	144	912	112	448
GRO	TPH 8015M		926	<10.0	<10.0	1100	<10.0
DRO	TPH 8015M		4830	10.9	429	6890	69.8

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
			11/11/15	11/11/15	11/11/15	11/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<1.00	<1.00	<0.050	<0.050
Toluene	BTEX 8021B		12.5	<1.00	0.133	<0.050
Ethylbenzene	BTEX 8021B		18.1	2.43	<0.050	<0.050
Total Xylenes	BTEX 8021B		74.5	10.8	1.39	<0.150
Total BTEX	BTEX 8021B		105	13.2	1.52	<0.300
Chloride	SM4500Cl-B		528	752	656	256
GRO	TPH 8015M		1420	1740	<100	<10.0
DRO	TPH 8015M		6960	1030	933	<10.0

Analyte	Method	Sample Date	SP6 @ SURFACE	SP6 @ 1'
			11/12/15	11/12/15
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0
DRO	TPH 8015M		946	<10.0

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'
			11/11/15	11/11/15	11/11/15	11/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<2.00	<1.00	<1.00	<0.050
Toluene	BTEX 8021B		16.9	5.81	5.73	<0.050
Ethylbenzene	BTEX 8021B		22.1	9.68	8.16	<0.050
Total Xylenes	BTEX 8021B		88.5	55.3	44.9	<0.150
Total BTEX	BTEX 8021B		128	70.8	58.8	<0.300
Chloride	SM4500Cl-B		80	80	96	128
GRO	TPH 8015M		3260	1770	1480	<10.0
DRO	TPH 8015M		14900	10200	7370	28.8

Analyte	Method	Sample Date	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 5'
			11/11/15	11/11/15	11/11/15	11/12/15
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<1.00	<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	0.202	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		208	224	832	80
GRO	TPH 8015M		<10.0	<10.0	13.3	<10.0
DRO	TPH 8015M		20.5	<10.0	628	<10.0



November 20, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TRAPPER 13 FED COM #2

Enclosed are the results of analyses for samples received by the laboratory on 11/17/15 9:10.

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 with a large, flowing "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:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP1 @ 1 (H503031-01)

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	11/19/2015	ND	1.87	93.7	2.00	3.41	
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21	
Total BTEX	<0.300	0.300	11/19/2015	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	1330	16.0	11/18/2015	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	11/18/2015	ND	200	100	200	3.13	
DRO >C10-C28	<10.0	10.0	11/18/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 91.2 % 35-147
Surrogate: 1-Chlorooctadecane 97.7 % 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:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP1 @ 3 (H503031-02)

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	11/19/2015	ND	1.87	93.7	2.00	3.41		
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21		
Total BTEX	<0.300	0.300	11/19/2015	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	2800	16.0	11/18/2015	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	11/18/2015	ND	200	100	200	3.13		
DRO >C10-C28	<10.0	10.0	11/18/2015	ND	199	99.6	200	3.15		

Surrogate: 1-Chlorooctane 78.6 % 35-147
Surrogate: 1-Chlorooctadecane 84.6 % 28-171

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 Fax To: (575) 397-0397

Received:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP1 @ 5 (H503031-03)

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	11/19/2015	ND	1.87	93.7	2.00	3.41	
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21	
Total BTEX	<0.300	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	3440	16.0	11/18/2015	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	11/18/2015	ND	200	100	200	3.13	
DRO >C10-C28	<10.0	10.0	11/18/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 76.6 % 35-147

Surrogate: 1-Chlorooctadecane 80.9 % 28-171

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Received:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP1 @ 6 (H503031-04)

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	11/19/2015	ND	1.87	93.7	2.00	3.41		
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21		
Total BTEX	<0.300	0.300	11/19/2015	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	640	16.0	11/18/2015	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	11/18/2015	ND	200	100	200	3.13		
DRO >C10-C28	<10.0	10.0	11/18/2015	ND	199	99.6	200	3.15		

Surrogate: 1-Chlorooctane 82.1 % 35-147

Surrogate: 1-Chlorooctadecane 85.8 % 28-171

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Received:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP1 @ 7 (H503031-05)

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	11/19/2015	ND	1.87	93.7	2.00	3.41		
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.20	103	6.00	7.21		
Total BTEX	<0.300	0.300	11/19/2015	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	<16.0	16.0	11/18/2015	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	11/18/2015	ND	200	100	200	3.13		
DRO >C10-C28	<10.0	10.0	11/18/2015	ND	199	99.6	200	3.15		

Surrogate: 1-Chlorooctane 78.5 % 35-147

Surrogate: 1-Chlorooctadecane 84.3 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP2 @ 1 (H503031-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	12.5	1.00	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	18.1	1.00	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	74.5	3.00	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	105	6.00	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	528	16.0	11/18/2015	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1420	10.0	11/18/2015	ND	200	100	200	3.13		
DRO >C10-C28	6960	10.0	11/18/2015	ND	199	99.6	200	3.15		

Surrogate: 1-Chlorooctane 173 % 35-147

Surrogate: 1-Chlorooctadecane 170 % 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:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP2 @ 2 (H503031-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	<1.00	1.00	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	2.43	1.00	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	10.8	3.00	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	13.2	6.00	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	752	16.0	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1740	100	11/19/2015	ND	200	100	200	3.13	
DRO >C10-C28	1030	100	11/19/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 114 % 35-147

Surrogate: 1-Chlorooctadecane 128 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP2 @ 3 (H503031-08)

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	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	0.133	0.050	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	1.39	0.150	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	1.52	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 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	656	16.0	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	11/19/2015	ND	200	100	200	3.13	
DRO >C10-C28	933	100	11/19/2015	ND	199	99.6	200	3.15	

Surrogate: 1-Chlorooctane 100 % 35-147

Surrogate: 1-Chlorooctadecane 128 % 28-171

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

Received:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP2 @ 4 (H503031-09)

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	11/19/2015	ND	1.93	96.3	2.00	4.05		
Toluene*	<0.050	0.050	11/19/2015	ND	2.18	109	2.00	4.13		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.32	105	6.00	3.89		
Total BTEX	<0.300	0.300	11/19/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	256	16.0	11/19/2015	ND	432	108	400	3.77		

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	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	<10.0	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 80.4 % 35-147

Surrogate: 1-Chlorooctadecane 86.0 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP3 @ 1 (H503031-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	16.9	2.00	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	22.1	2.00	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	88.5	6.00	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	128	12.0	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	3260	50.0	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	14900	50.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 197 % 35-147

Surrogate: 1-Chlorooctadecane 349 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP3 @ 2 (H503031-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	5.81	1.00	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	9.68	1.00	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	55.3	3.00	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	70.8	6.00	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1770	10.0	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	10200	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 212 % 35-147

Surrogate: 1-Chlorooctadecane 247 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP3 @ 3 (H503031-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	5.73	1.00	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	8.16	1.00	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	44.9	3.00	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	58.8	6.00	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	96.0	16.0	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1480	10.0	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	7370	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 181 % 35-147

Surrogate: 1-Chlorooctadecane 176 % 28-171

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Received:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP3 @ 4 (H503031-13)

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	11/19/2015	ND	1.93	96.3	2.00	4.05		
Toluene*	<0.050	0.050	11/19/2015	ND	2.18	109	2.00	4.13		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.32	105	6.00	3.89		
Total BTEX	<0.300	0.300	11/19/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	11/19/2015	ND	432	108	400	3.77		

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	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	28.8	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 88.7 % 35-147

Surrogate: 1-Chlorooctadecane 96.0 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP4 @ 1 (H503031-14)

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	11/19/2015	ND	1.93	96.3	2.00	4.05		
Toluene*	<0.050	0.050	11/19/2015	ND	2.18	109	2.00	4.13		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.32	105	6.00	3.89		
Total BTEX	<0.300	0.300	11/19/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	208	16.0	11/19/2015	ND	432	108	400	3.77		

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	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	20.5	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 93.9 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP4 @ 2 (H503031-15)

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	11/19/2015	ND	1.93	96.3	2.00	4.05		
Toluene*	<0.050	0.050	11/19/2015	ND	2.18	109	2.00	4.13		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.32	105	6.00	3.89		
Total BTEX	<0.300	0.300	11/19/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	224	16.0	11/19/2015	ND	432	108	400	3.77		

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	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	<10.0	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 87.7 % 35-147

Surrogate: 1-Chlorooctadecane 93.4 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP4 @ 3 (H503031-16)

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	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	<0.050	0.050	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	0.202	0.150	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	<0.300	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	832	16.0	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13.3	10.0	11/19/2015	ND	200	100	200	0.291	
DRO >C10-C28	628	10.0	11/19/2015	ND	200	100	200	1.39	

Surrogate: 1-Chlorooctane 89.2 % 35-147

Surrogate: 1-Chlorooctadecane 97.7 % 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:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP4 @ 5 (H503031-17)

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	11/19/2015	ND	1.93	96.3	2.00	4.05		
Toluene*	<0.050	0.050	11/19/2015	ND	2.18	109	2.00	4.13		
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75		
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.32	105	6.00	3.89		
Total BTEX	<0.300	0.300	11/19/2015	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	80.0	16.0	11/19/2015	ND	432	108	400	3.77		

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	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	<10.0	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 85.4 % 35-147

Surrogate: 1-Chlorooctadecane 91.7 % 28-171

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

Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP5 @ 1 (H503031-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	7.01	0.500	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	11.7	0.500	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	45.7	1.50	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	64.4	3.00	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	336	16.0	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	926	10.0	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	4830	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 153 % 35-147

Surrogate: 1-Chlorooctadecane 150 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP5 @ 2 (H503031-19)

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	11/19/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	<0.050	0.050	11/19/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	<0.150	0.150	11/19/2015	ND	6.32	105	6.00	3.89	
Total BTEX	<0.300	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	11/19/2015	ND	432	108	400	3.77	

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	11/19/2015	ND	200	100	200	0.291	
DRO >C10-C28	10.9	10.0	11/19/2015	ND	200	100	200	1.39	

Surrogate: 1-Chlorooctane 85.7 % 35-147

Surrogate: 1-Chlorooctadecane 92.5 % 28-171

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Received:	11/17/2015	Sampling Date:	11/11/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP5 @ 3 (H503031-20)

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	11/20/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	<0.050	0.050	11/20/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	<0.050	0.050	11/20/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	0.151	0.150	11/20/2015	ND	6.32	105	6.00	3.89	
Total BTEX	<0.300	0.300	11/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	912	16.0	11/19/2015	ND	432	108	400	3.77	

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	11/19/2015	ND	200	100	200	0.291	
DRO >C10-C28	429	10.0	11/19/2015	ND	200	100	200	1.39	

Surrogate: 1-Chlorooctane 89.4 % 35-147

Surrogate: 1-Chlorooctadecane 96.0 % 28-171

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 Fax To: (575) 397-0397

Received:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP5 @ 4 (H503031-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/20/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	1.27	0.500	11/20/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	3.36	0.500	11/20/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	24.3	1.50	11/20/2015	ND	6.32	105	6.00	3.89	
Total BTEX	28.9	3.00	11/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	11/19/2015	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1100	10.0	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	6890	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 181 % 35-147

Surrogate: 1-Chlorooctadecane 181 % 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:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP5 @ 5 (H503031-22)

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	11/20/2015	ND	1.93	96.3	2.00	4.05	
Toluene*	<0.050	0.050	11/20/2015	ND	2.18	109	2.00	4.13	
Ethylbenzene*	<0.050	0.050	11/20/2015	ND	2.13	106	2.00	3.75	
Total Xylenes*	<0.150	0.150	11/20/2015	ND	6.32	105	6.00	3.89	
Total BTEX	<0.300	0.300	11/20/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	448	16.0	11/19/2015	ND	432	108	400	3.77	

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	11/19/2015	ND	200	100	200	0.291	
DRO >C10-C28	69.8	10.0	11/19/2015	ND	200	100	200	1.39	

Surrogate: 1-Chlorooctane 84.8 % 35-147
Surrogate: 1-Chlorooctadecane 92.6 % 28-171

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

Received:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP6 @ SURFACE (H503031-23)

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	11/20/2015	ND	1.93	96.3	2.00	4.05		
Toluene*	<0.050	0.050	11/20/2015	ND	2.18	109	2.00	4.13		
Ethylbenzene*	<0.050	0.050	11/20/2015	ND	2.13	106	2.00	3.75		
Total Xylenes*	<0.150	0.150	11/20/2015	ND	6.32	105	6.00	3.89		
Total BTEX	<0.300	0.300	11/20/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	<16.0	16.0	11/19/2015	ND	432	108	400	3.77		

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	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	946	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 90.4 % 35-147

Surrogate: 1-Chlorooctadecane 119 % 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:	11/17/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	TRAPPER 13 FED COM #2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MALJAMAR		

Sample ID: SP6 @ 1 (H503031-24)

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	11/20/2015	ND	1.93	96.3	2.00	4.05		
Toluene*	<0.050	0.050	11/20/2015	ND	2.18	109	2.00	4.13		
Ethylbenzene*	<0.050	0.050	11/20/2015	ND	2.13	106	2.00	3.75		
Total Xylenes*	<0.150	0.150	11/20/2015	ND	6.32	105	6.00	3.89		
Total BTEX	<0.300	0.300	11/20/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	<16.0	16.0	11/19/2015	ND	432	108	400	3.77		

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	11/19/2015	ND	200	100	200	0.291		
DRO >C10-C28	<10.0	10.0	11/19/2015	ND	200	100	200	1.39		

Surrogate: 1-Chlorooctane 91.2 % 35-147

Surrogate: 1-Chlorooctadecane 98.3 % 28-171

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 SM450Cl-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

1/3

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 Name: *Trapper 13 Red Can #2*
 Project Location: *Mojave*
 Sampler Name: *Rid*
 P.O. #: _____
 Company: _____
 Attn: *COG*
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____
 Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	TPH	CI	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
H503031	SP1E1			X	X	X	X	X	X	X	11-11	14:33	X	X	X	
	SP1E2			X	X	X	X	X	X	X	11-12	09:40	X	X	X	
	SP1E3			X	X	X	X	X	X	X	11-12	09:00	X	X	X	
	SP1E4			X	X	X	X	X	X	X	11-12	12:27	X	X	X	
	SP2E1			X	X	X	X	X	X	X	11-11	11:49	X	X	X	
	SP2E2			X	X	X	X	X	X	X	11-11	2:17	X	X	X	
	SP2E3			X	X	X	X	X	X	X	11-12	9:45	X	X	X	
	SP3E1			X	X	X	X	X	X	X	11-12	7:22	X	X	X	

PLEASE NOTE: Liability and Damages: Cardinal Laboratory 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 analysis. 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 clients, 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: *Cliff Brunson*
 Date: *11/15*
 Time: *8:30 AM*
 Received By: *Scott Henderson*
 Date: *11/15*
 Time: *9:10*
 Delivered By: (Circle One) *Scott Henderson*
 Sampler - UPS - Bus - Other: *-1.62*
 Sample Condition: Cool Intact
 Checked By: (Initials) *[Signature]*
 Phone Result: Yes No
 Add'l Phone #: _____
 Fax Result: Yes No
 Add'l Fax #: _____
 REMARKS:

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

#54



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

213

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: **Conch #2**
 Project Location: **Malvar**
 Sampler Name: **V.O.**

P.O. #: _____ Company: _____
 Attn: _____ Address: **COG**
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	Cl-	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H503031														
11	SP303		1	X	X	X	X	X	X	11-11	232	X	X	X
12	SP304		1	X	X	X	X	X	X	11-11	345	X	X	X
13	SP401		1	X	X	X	X	X	X	11-12	1025	X	X	X
14	SP402		1	X	X	X	X	X	X	11-11	300	X	X	X
15	SP403		1	X	X	X	X	X	X	11-11	309	X	X	X
16	SP405		1	X	X	X	X	X	X	11-12	11.15	X	X	X
17	SP501		1	X	X	X	X	X	X	11-11	382	X	X	X
18	SP502		1	X	X	X	X	X	X	11-11	353	X	X	X
19	SP503		1	X	X	X	X	X	X	11-11	344	X	X	X
20	SP504		1	X	X	X	X	X	X			X	X	X

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether stated 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.

Reinquished By: _____ Date: **11/17/15** Received By: _____
 Reinquished By: _____ Date: **8:30 AM** Received By: **Leslie Long**
 Delivered By: (Circle One) _____ Date: **11/17/15** Received By: **Leslie Long**
 Sampler - UPS - Bus - Other: _____ Time: **4:16** Initials: **ML**
 Sample Condition: _____ Cool Intact: Yes No
 Checked By: (Initials) _____

† 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: TRAPPER 13 FEDERAL COM #002	Facility Type: Battery
Surface Owner: Federal	Mineral Owner:
API No. 30-015-31568	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	13	19S	31E	660'	North	840'	East	Eddy

Latitude 32.6659851 Longitude -103.8169861

NATURE OF RELEASE

Type of Release: Oil & Produced Water	Volume of Release: 30 bbls Oil ; 20 bbls PW	Volume Recovered: 10 bbls Oil ; 10 bbls PW
Source of Release: Tank Overflow	Date and Hour of Occurrence: 8-30-2015 11:00 am	Date and Hour of Discovery: 8-30-2015 11:00 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 / Jim Amos – BLM	
By Whom? Amanda Trujillo	Date and Hour: Mon 8/31/2015 6:23 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 tank overflow. Vacuum trucks were dispatched to recover all standing fluid.

Describe Area Affected and Cleanup Action Taken.*

This release occurred within the earthen containment. 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: September 13, 2015 Phone: 575-748-6940	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary