

**APPROVED**

OXY – MK STEWART TANK BATTERY

REMEDIATION PLAN

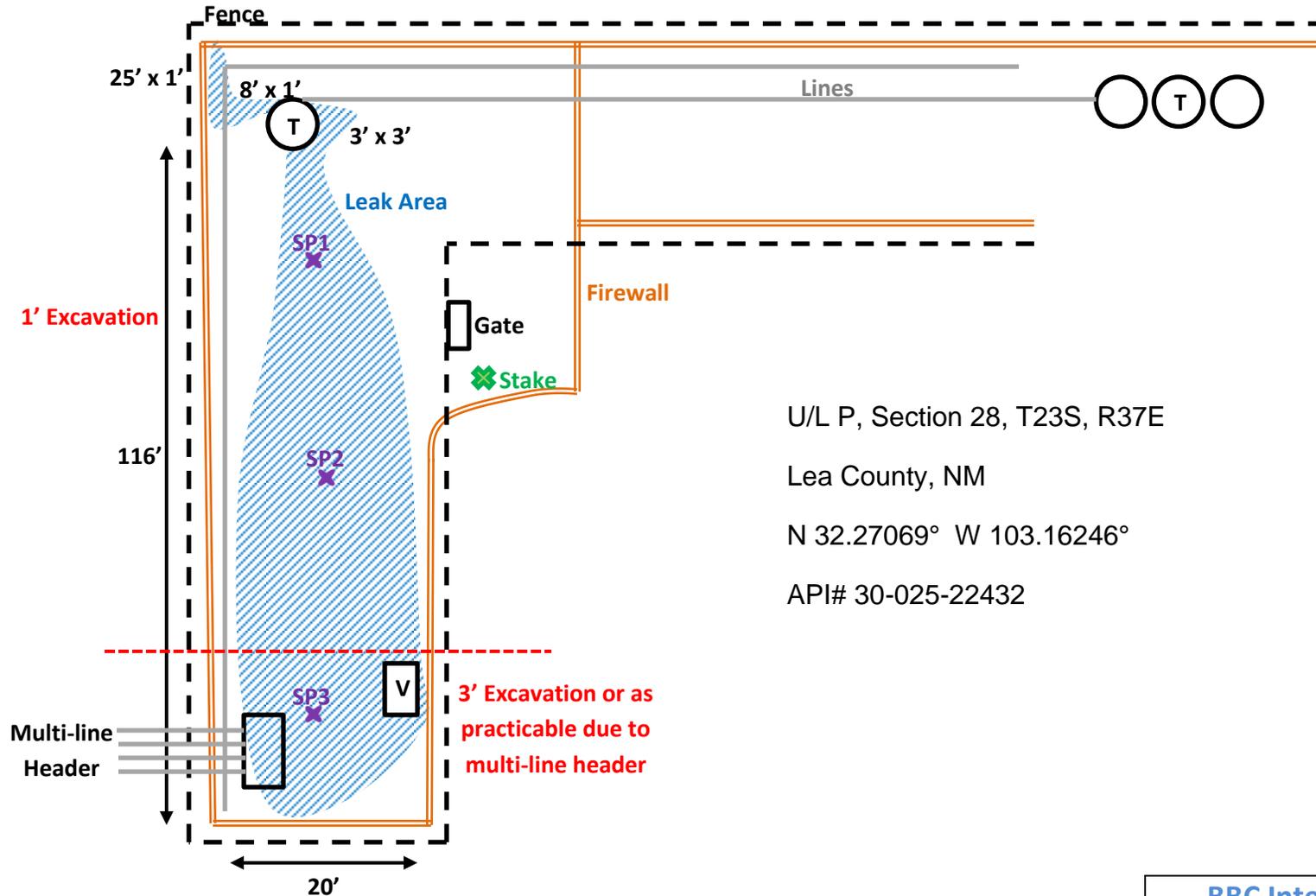
OXY will excavate the spill area as depicted on the following site diagram. The spill area near sample points SP1 and SP2 will be excavated to a depth of 1 foot. In the area of sample point SP3, 3 feet will be excavated or as practicable due to the multi-line header which poses potential safety issues. The entire site will be backfilled with clean soil.

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



Oxy

MK Stewart Tank Battery (02/20/2016)



U/L P, Section 28, T23S, R37E

Lea County, NM

N 32.27069° W 103.16246°

API# 30-025-22432

BBC International, Inc.

Oxy

MK Stewart Tank Battery

Date: 03/08/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016

Groundwater Plot

Oxy MK Stewart Tank Battery

County
Lea

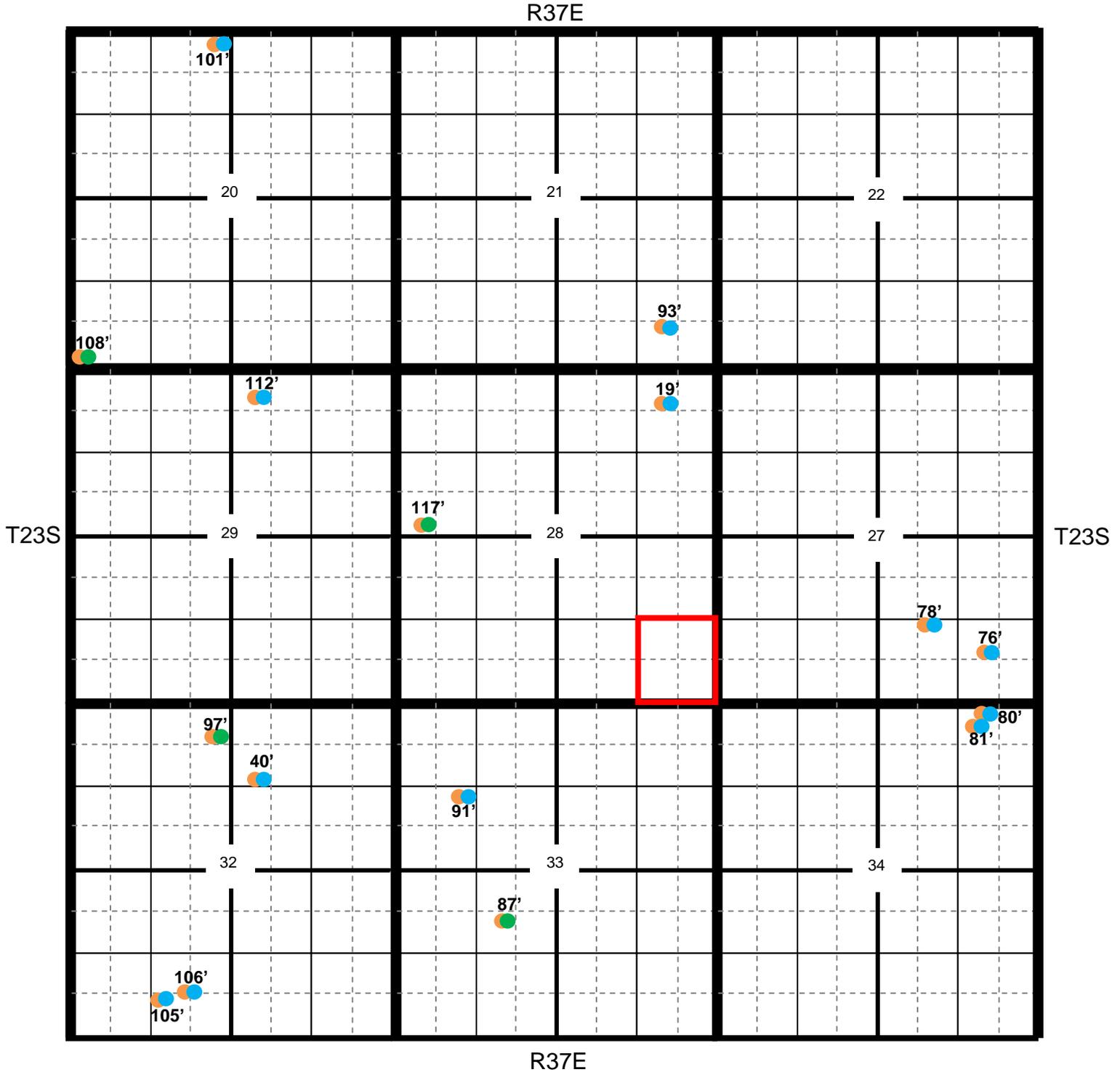
Unit Letter
P

Section
28

Township
23S

Range
37E

Trend Map 75'-100'



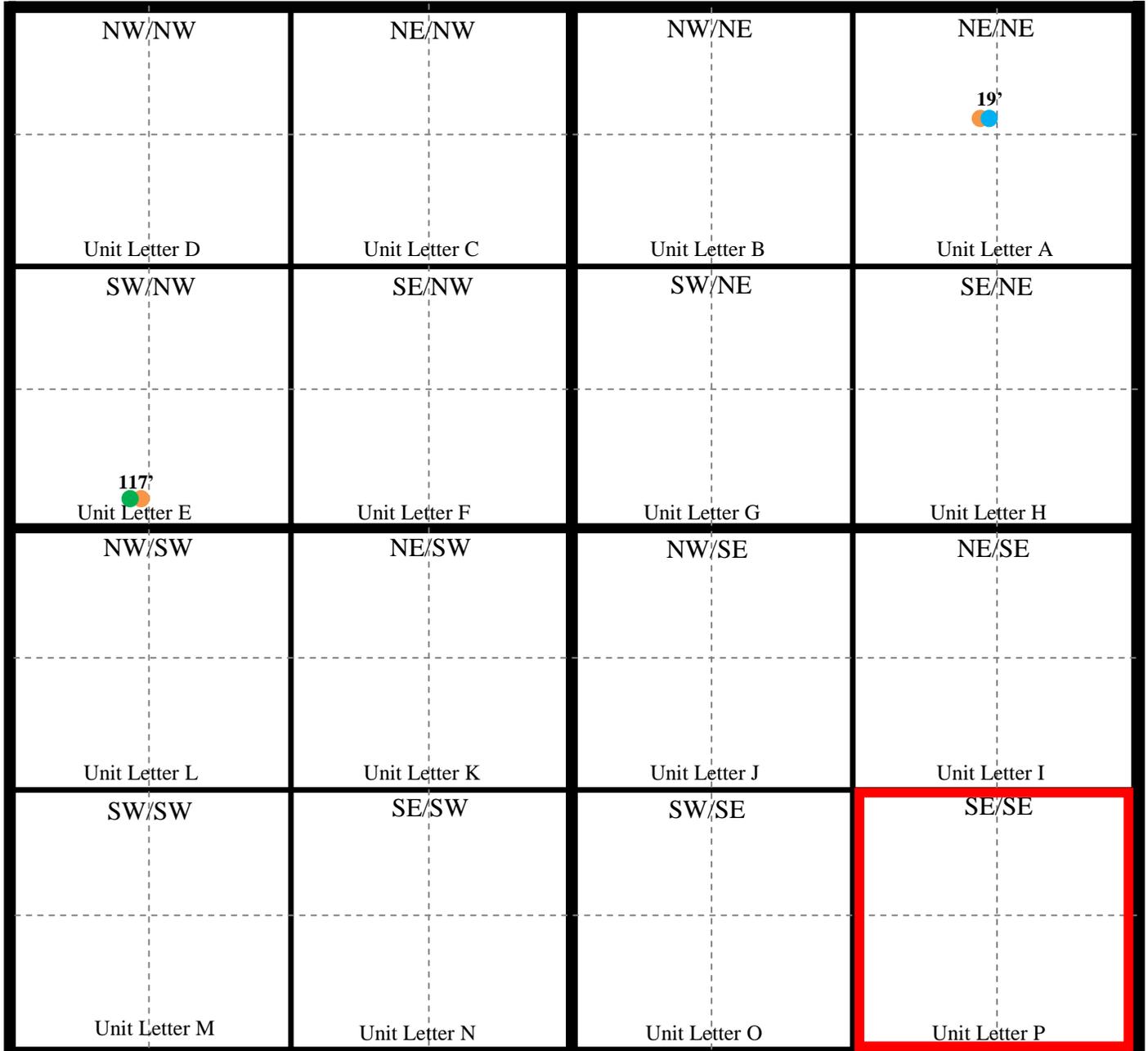
Oxy MK Stewart Tank Battery

County: Lea Unit Letter: P Section: 28 Township: 23S Range: 37E

Trend Map 75'-100'

1

2



3

4

**Laboratory Analytical Results Summary
MK Stewart Tank Battery**

		Sample	SP1 @ 1'	SP1 @ 3'	SP1 @ 5'	SP1 @ 6'	SP1 @ 7'
Analyte	Method	Date	3/7/16	3/7/16	3/7/16	3/7/16	3/7/16
			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		1.64	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		4.87	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		15.5	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		22	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1200	592	560	<16.0	<16.0
GRO	TPH 8015M		926	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		5830	<10.0	<10.0	<10.0	<10.0

		Sample	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	3/7/16	3/7/16	3/7/16	3/7/16	3/7/16
			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		1010	192	176	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	227	<10.0	<10.0	<10.0

		Sample	SP3 @ 1'	SP3 @ 3'	SP3 @ 4'	SP3 @ 6'
Analyte	Method	Date	3/7/16	3/7/16	3/7/16	3/7/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.200	3.78	<0.050	<0.050
Toluene	BTEX 8021B		1.3	56.9	<0.050	<0.050
Ethylbenzene	BTEX 8021B		3.88	75.8	0.202	<0.050
Total Xylenes	BTEX 8021B		11.8	195	0.665	<0.150
Total BTEX	BTEX 8021B		17	332	0.867	<0.300
Chloride	SM4500Cl-B		1460	<16.0	176	<16.0
GRO	TPH 8015M		473	7020	40	<10.0
DRO	TPH 8015M		3630	24800	648	<10.0



March 18, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MK STEWART TB

Enclosed are the results of analyses for samples received by the laboratory on 03/11/16 11:45.

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.

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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H600538-01)

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	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	1.64	0.500	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	4.87	0.500	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	15.5	1.50	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	22.0	3.00	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1200	16.0	03/17/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	926	50.0	03/14/2016	ND	220	110	200	4.67		
DRO >C10-C28	5830	50.0	03/14/2016	ND	236	118	200	7.31		

Surrogate: 1-Chlorooctane 201 % 35-147
Surrogate: 1-Chlorooctadecane 159 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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 Hobbs NM, 88241
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Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 3' (H600538-02)

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	03/15/2016	ND	2.00	99.8	2.00	1.29		
Toluene*	<0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42		
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785		
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123		
Total BTEX	<0.300	0.300	03/15/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	592	16.0	03/17/2016	ND	400	100	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	03/14/2016	ND	220	110	200	4.67		
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31		

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 114 % 28-171

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Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 5' (H600538-03)

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	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	<0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	560	16.0	03/17/2016	ND	400	100	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	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 98.9 % 35-147
Surrogate: 1-Chlorooctadecane 83.9 % 28-171

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Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 6' (H600538-04)

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	03/15/2016	ND	2.00	99.8	2.00	1.29		
Toluene*	<0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42		
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785		
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123		
Total BTEX	<0.300	0.300	03/15/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	<16.0	16.0	03/17/2016	ND	400	100	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	03/14/2016	ND	220	110	200	4.67		
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31		

Surrogate: 1-Chlorooctane 94.0 % 35-147
Surrogate: 1-Chlorooctadecane 104 % 28-171

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Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 7' (H600538-05)

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	03/15/2016	ND	2.00	99.8	2.00	1.29	
Toluene*	<0.050	0.050	03/15/2016	ND	1.93	96.4	2.00	1.42	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.72	85.8	2.00	0.785	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.26	87.7	6.00	0.123	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	03/17/2016	ND	400	100	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	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 98.4 % 35-147

Surrogate: 1-Chlorooctadecane 97.8 % 28-171

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

Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H600538-06)

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	03/15/2016	ND	2.03	102	2.00	1.63	
Toluene*	<0.050	0.050	03/15/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.30	88.4	6.00	1.65	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	1010	16.0	03/17/2016	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	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 97.2 % 35-147
Surrogate: 1-Chlorooctadecane 87.6 % 28-171

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

Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 2' (H600538-07)

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	03/15/2016	ND	2.03	102	2.00	1.63	
Toluene*	<0.050	0.050	03/15/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.30	88.4	6.00	1.65	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/17/2016	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	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	227	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 108 % 35-147
Surrogate: 1-Chlorooctadecane 117 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 3' (H600538-08)

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	03/15/2016	ND	2.03	102	2.00	1.63	
Toluene*	<0.050	0.050	03/15/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.30	88.4	6.00	1.65	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	176	16.0	03/17/2016	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	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 95.3 % 35-147

Surrogate: 1-Chlorooctadecane 98.2 % 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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 4' (H600538-09)

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	03/15/2016	ND	2.03	102	2.00	1.63		
Toluene*	<0.050	0.050	03/15/2016	ND	1.96	98.1	2.00	2.12		
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.75	87.4	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.30	88.4	6.00	1.65		
Total BTEX	<0.300	0.300	03/15/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	03/17/2016	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	03/14/2016	ND	220	110	200	4.67		
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31		

Surrogate: 1-Chlorooctane 93.0 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 5' (H600538-10)

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	03/15/2016	ND	2.03	102	2.00	1.63	
Toluene*	<0.050	0.050	03/15/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	<0.050	0.050	03/15/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/15/2016	ND	5.30	88.4	6.00	1.65	
Total BTEX	<0.300	0.300	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	<16.0	16.0	03/17/2016	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	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 84.0 % 35-147

Surrogate: 1-Chlorooctadecane 94.4 % 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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H600538-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/15/2016	ND	2.03	102	2.00	1.63	
Toluene*	1.30	0.200	03/15/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	3.88	0.200	03/15/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	11.8	0.600	03/15/2016	ND	5.30	88.4	6.00	1.65	
Total BTEX	17.0	1.20	03/15/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	1460	16.0	03/17/2016	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	473	50.0	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	3630	50.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 142 % 35-147

Surrogate: 1-Chlorooctadecane 138 % 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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 3' (H600538-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.78	2.50	03/15/2016	ND	2.03	102	2.00	1.63	
Toluene*	56.9	5.00	03/15/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	75.8	5.00	03/15/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	195	15.0	03/15/2016	ND	5.30	88.4	6.00	1.65	
Total BTEX	332	27.5	03/15/2016	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	<16.0	16.0	03/17/2016	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	7020	100	03/14/2016	ND	220	110	200	4.67		
DRO >C10-C28	24800	100	03/14/2016	ND	236	118	200	7.31		

Surrogate: 1-Chlorooctane 284 % 35-147

Surrogate: 1-Chlorooctadecane 462 % 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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 4' (H600538-13)

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	03/16/2016	ND	2.03	102	2.00	1.63	
Toluene*	<0.050	0.050	03/16/2016	ND	1.96	98.1	2.00	2.12	
Ethylbenzene*	0.202	0.050	03/16/2016	ND	1.75	87.4	2.00	1.92	
Total Xylenes*	0.665	0.150	03/16/2016	ND	5.30	88.4	6.00	1.65	
Total BTEX	0.867	0.300	03/16/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	176	16.0	03/17/2016	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	40.0	10.0	03/14/2016	ND	220	110	200	4.67	
DRO >C10-C28	648	10.0	03/14/2016	ND	236	118	200	7.31	

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 96.1 % 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:	03/11/2016	Sampling Date:	03/07/2016
Reported:	03/18/2016	Sampling Type:	Soil
Project Name:	MK STEWART TB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 6' (H600538-14)

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	03/16/2016	ND	2.03	102	2.00	1.63		
Toluene*	<0.050	0.050	03/16/2016	ND	1.96	98.1	2.00	2.12		
Ethylbenzene*	<0.050	0.050	03/16/2016	ND	1.75	87.4	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/16/2016	ND	5.30	88.4	6.00	1.65		
Total BTEX	<0.300	0.300	03/16/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	03/17/2016	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	03/14/2016	ND	220	110	200	4.67		
DRO >C10-C28	<10.0	10.0	03/14/2016	ND	236	118	200	7.31		

Surrogate: 1-Chlorooctane 102 % 35-147
Surrogate: 1-Chlorooctadecane 100 % 28-171

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

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Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: MK Street TB

Project Location:

Sampler Name: 1.0

FOR LAB USE ONLY

P.O. #:

Company: OXY

Attn:

Address: Jimmy

City:

State:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	RTEX	TPH	CT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:							
A100598																
1	Spl 01			X	X	X	X	X	X	X	3-7	051	X	X	X	
2	Spl 03			X	X	X	X	X	X	X		937	X	X	X	
3	Spl 05			X	X	X	X	X	X	X		1030	X	X	X	
4	Spl 06			X	X	X	X	X	X	X		1058	X	X	X	
5	Spl 07			X	X	X	X	X	X	X		1111	X	X	X	
6	Spl 08			X	X	X	X	X	X	X		1200	X	X	X	
7	Spl 09			X	X	X	X	X	X	X		1246	X	X	X	
8	Spl 10			X	X	X	X	X	X	X		1311	X	X	X	
9	Spl 11			X	X	X	X	X	X	X		1353	X	X	X	
10	Spl 12			X	X	X	X	X	X	X		1409	X	X	X	

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Relinquished By:

Received By:

Relinquished By: [Signature]

Received By: [Signature]

Date: 3/11/10

Date: 3/11/10

Delivered By: (Circle One)

Delivered By: [Signature]

Sampler - UPS - Bus - Other:

4.80

Sample Condition

CHECKED BY: [Signature]

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

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

#54



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P. O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: *Mc Stewart TB*

Project Location:

Sampler Name: *100*

FOR LAB USE ONLY

P.O. #:

Company: *OKY*

Attn: *Summer*

Address:

City:

State: Zip:

Phone #:

Fax #:

Lab I.D. Sample I.D.

H500538

11

12

13

14

SP3011

311

311

311

(G)RAB OR (C)OMP.
CONTAINERS

MATRIX
GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER:
ACID/BASE:
ICE / COOL
OTHER:

DATE
TIME

3-7

215

240

300

355

*BTEX
TPH
CI-*

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Relinquished By: *[Signature]*

Date: *3/7/16*

Time: *5:00pm*

Relinquished By: *[Signature]*

Date: *3/11/16*

Time: *11:45*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

4.80

[Signature]

Sample Condition
Cool Intact
Yes No

CHECKED BY: *[Signature]*

REMARKS:
Phone Result: Yes No
Fax Result: Yes No
Add'l Phone #:
Add'l Fax #:
#54

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

2/2

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	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	MK Stewart Tank Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-025-22432

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	28	23S	37E					Lea County, NM

Latitude N 32.27069° Longitude W 103.16246°

NATURE OF RELEASE

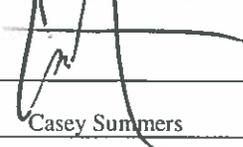
Type of Release	Oil and produced water	Volume of Release	70 bbls oil, 5 bbls produced water	Volume Recovered	37 bbls
Source of Release	Hole in fire tube on heater treater	Date and Hour of Occurrence	02/20/2016	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Jamie Keyes-NMOCD, Shelly Tucker-BLM		
By Whom?	Cliff Brunson @ BBC International	Date and Hour	02/21/2016 @ 4:25 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.*
A hole in the fire tube caused 70 bbls of oil and 5 bbls of produced water to spill inside the berm. A vacuum truck recovered 27 bbls of oil and the fire tube was repaired.

Describe Area Affected and Cleanup Action Taken.*
The affected area is approximately 140' x 20' on location inside the berm. Remediation will be completed in accordance with a remediation plan approved by NMOCD and the BLM.

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:	Casey Summers	Approved by Environmental Specialist:	
Title:	NM Environmental Advisor	Approval Date:	Expiration Date:
E-mail Address:	Casey.Summers@oxy.com	Conditions of Approval:	
Date:	3-9-16	Phone:	(575) 513-8289
			Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary