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OXY – SHELL STATE #3 CTB (8/31/16)

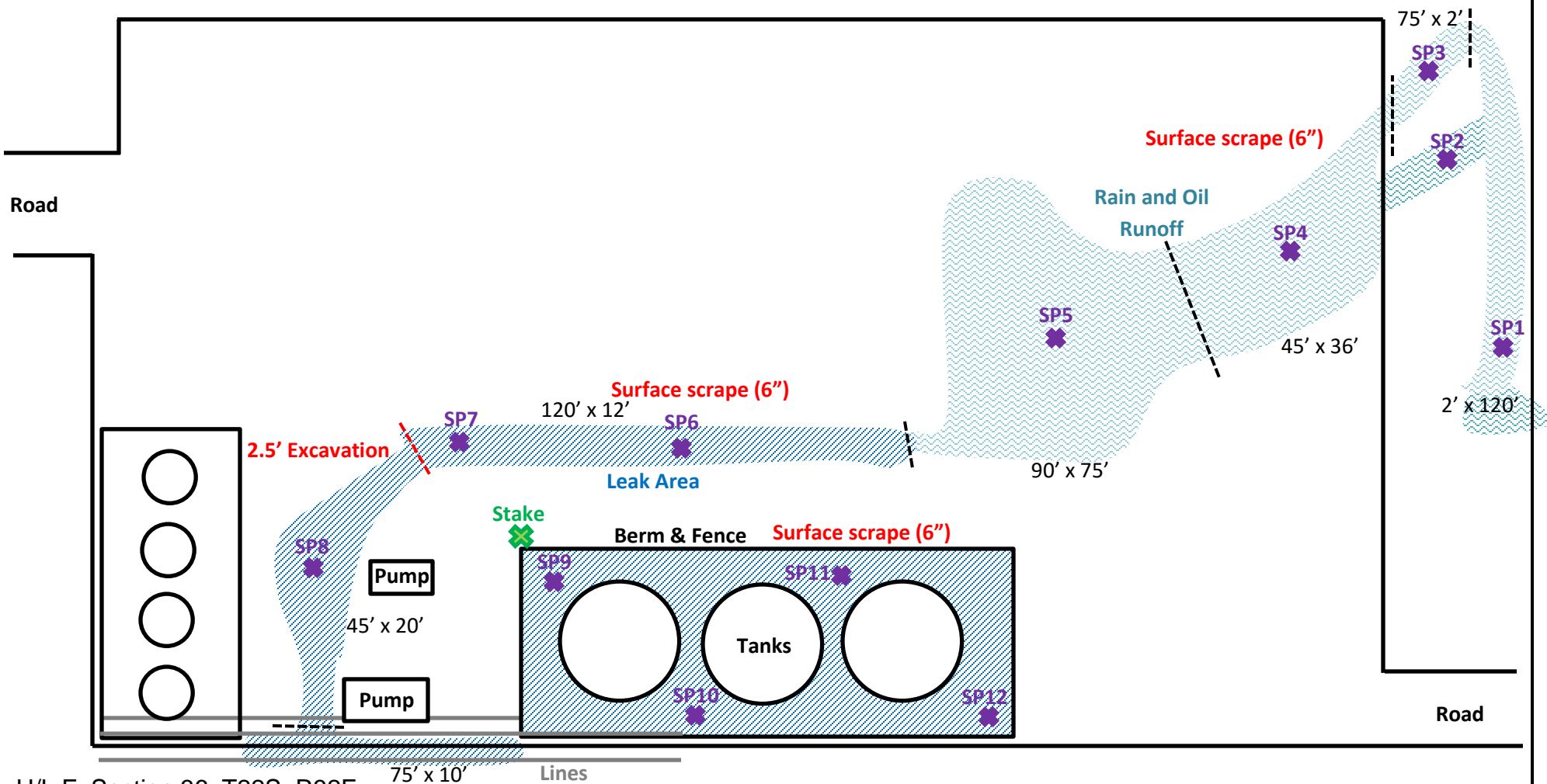
REMEDIATION PLAN

OXY will excavate the spill area as depicted on the following site diagram. In the area near SP1, SP2, SP3, SP4, SP5, SP6, and SP7, the excavation will be a surface scrape (6 inches). In the area near SP8, the excavation will be 2.5 feet. The entire site will then be backfilled with clean soil.

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



Oxy
Shell State #3 CTB (8/31/16)



U/L F, Section 36, T22S, R32E

Lea County, NM

N 32.34979° W 103.62951°

API# 30-025-33246

BBC International, Inc.

Oxy
Shell State #3 CTB

Date: 09/09/2016

DRWG by: K. Purvis

NOT TO SCALE

File: Oxy 2016



Groundwater Plot

Oxy Shell State #3 CTB

County
Lea

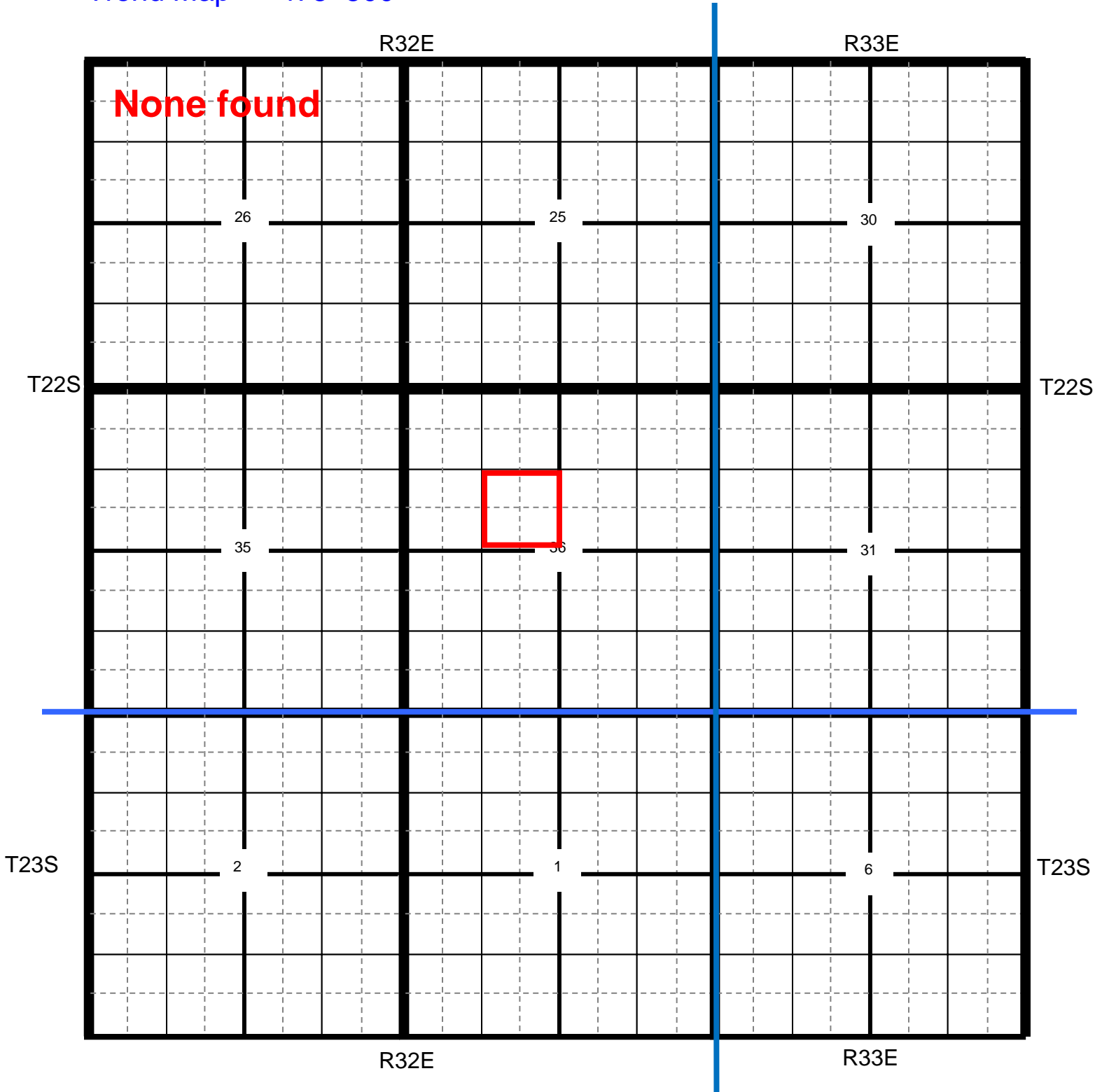
Unit Letter
F

Section
36

Township
22S

Range
32E

Trend Map 475'-500'



★ Location

● OCD

● USGS

● SEO

● All Databases

Oxy Shell State #3 CTB

County Lea **Unit Letter** F **Section** 36 **Township** 22S **Range** 32E

Trend Map 457'-500'

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
Shell State #3 CTB

		Sample	SP1 @ Surface	SP1 @ 1'
Analyte	Method	Date	9/20/16	9/20/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.156	<0.050
Ethylbenzene	BTEX 8021B		0.14	<0.050
Total Xylenes	BTEX 8021B		0.551	<0.150
Total BTEX	BTEX 8021B		0.847	<0.300
Chloride	SM4500Cl-B		32	<16.0
GRO	TPH 8015M		<200	<10.0
DRO	TPH 8015M		23900	<10.0

		Sample	SP5 @ Surface
Analyte	Method	Date	9/20/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		14.2

		Sample	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'
Analyte	Method	Date	9/21/16	9/21/16	9/21/16	9/21/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.091	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.111	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.278	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		0.481	<0.300	N/A	N/A
Chloride	SM4500Cl-B		16	352	992	160
GRO	TPH 8015M		<100	<10.0	N/A	N/A
DRO	TPH 8015M		9460	<10.0	N/A	N/A

		Sample	SP2 @ Surface	SP2 @ 1'
Analyte	Method	Date	9/20/16	9/20/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.185	<0.050
Ethylbenzene	BTEX 8021B		0.15	<0.050
Total Xylenes	BTEX 8021B		0.59	<0.150
Total BTEX	BTEX 8021B		0.924	<0.300
Chloride	SM4500Cl-B		32	<16.0
GRO	TPH 8015M		<200	<10.0
DRO	TPH 8015M		22700	<10.0

		Sample	SP6 @ Surface	SP6 @ 1'
Analyte	Method	Date	9/20/16	9/20/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.144	<0.050
Ethylbenzene	BTEX 8021B		0.075	<0.050
Total Xylenes	BTEX 8021B		0.33	<0.150
Total BTEX	BTEX 8021B		0.586	<0.300
Chloride	SM4500Cl-B		1390	96
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		9470	<10.0

		Sample	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'	SP10 @ 3'
Analyte	Method	Date	9/21/16	9/21/16	9/21/16	9/21/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.095	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.116	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.314	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		0.525	<0.300	N/A	N/A
Chloride	SM4500Cl-B		16	336	320	224
GRO	TPH 8015M		<100	<10.0	N/A	N/A
DRO	TPH 8015M		10800	12.4	N/A	N/A

		Sample	SP3 @ Surface	SP3 @ 1'
Analyte	Method	Date	9/20/16	9/20/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.091	<0.050
Ethylbenzene	BTEX 8021B		0.065	<0.050
Total Xylenes	BTEX 8021B		0.251	<0.150
Total BTEX	BTEX 8021B		0.408	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0
GRO	TPH 8015M		<200	<10.0
DRO	TPH 8015M		8000	<10.0

		Sample	SP7 @ Surface	SP7 @ 1'
Analyte	Method	Date	9/20/16	9/20/16
			mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050
Toluene	BTEX 8021B		0.141	<0.050
Ethylbenzene	BTEX 8021B		0.086	<0.050
Total Xylenes	BTEX 8021B		0.355	<0.150
Total BTEX	BTEX 8021B		0.582	<0.300
Chloride	SM4500Cl-B		176	<16.0
GRO	TPH 8015M		<50.0	<10.0
DRO	TPH 8015M		8100	<10.0

		Sample	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'
Analyte	Method	Date	9/21/16	9/21/16	9/21/16	9/21/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.187	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.238	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.848	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		1.27	<0.300	N/A	N/A
Chloride	SM4500Cl-B		96	960	320	32
GRO	TPH 8015M		<100	<10.0	N/A	N/A
DRO	TPH 8015M		7630	45.2	N/A	N/A

		Sample	SP4 @ Surface
Analyte	Method	Date	9/20/16
			mg/Kg
Benzene	BTEX 8021B		<0.050
Toluene	BTEX 8021B		<0.050
Ethylbenzene	BTEX 8021B		<0.050
Total Xylenes	BTEX 8021B		<0.150
Total BTEX	BTEX 8021B		<0.300
Chloride	SM4500Cl-B		64
GRO	TPH 8015M		<10.0
DRO	TPH 8015M		<10.0

		Sample	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'
Analyte	Method	Date	9/21/16	9/21/16	9/21/16	9/21/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.096	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		480	2040	1960	32
GRO	TPH 8015M		<50.0	<10.0	N/A	N/A
DRO	TPH 8015M		1970	21.9	N/A	N/A

		Sample	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'	SP12 @ 3'
Analyte	Method	Date	9/21/16	9/21/16	9/21/16	9/21/16
			mg/Kg	mg/Kg	mg/Kg	mg/Kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.259	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.211	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.727	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		1.2	<0.300	N/A	N/A
Chloride	SM4500Cl-B		96	384	32	256
GRO	TPH 8015M		<100	<10.0	N/A	N/A
DRO	TPH 8015M		9250	<10.0	N/A	N/A

September 28, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SHELL STATE #3 CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/22/16 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H602134-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	0.156	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	0.140	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	0.551	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTX	0.847	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/27/2016	ND	432	108	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	<200	200	09/23/2016	ND	199	99.4	200	2.82		
DRO >C10-C28	23900	200	09/23/2016	ND	212	106	200	5.31		

Surrogate: 1-Chlorooctane 89.6 % 35-147

Surrogate: 1-Chlorooctadecane 852 % 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:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H602134-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTX	<0.300	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/27/2016	ND	432	108	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	09/23/2016	ND	199	99.4	200	2.82	
DRO >C10-C28	<10.0	10.0	09/23/2016	ND	212	106	200	5.31	

Surrogate: 1-Chlorooctane 83.3 % 35-147

Surrogate: 1-Chlorooctadecane 97.5 % 28-171

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

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ SURFACE (H602134-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	0.185	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	0.150	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	0.590	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTX	0.924	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/27/2016	ND	432	108	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	<200	200	09/24/2016	ND	199	99.4	200	2.82	
DRO >C10-C28	22700	200	09/24/2016	ND	212	106	200	5.31	

Surrogate: 1-Chlorooctane 90.0 % 35-147

Surrogate: 1-Chlorooctadecane 830 % 28-171

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H602134-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTX	<0.300	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/27/2016	ND	432	108	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	09/24/2016	ND	199	99.4	200	2.82	
DRO >C10-C28	<10.0	10.0	09/24/2016	ND	212	106	200	5.31	

Surrogate: 1-Chlorooctane 85.2 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ SURFACE (H602134-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	0.091	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	0.065	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	0.251	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTX	0.408	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/27/2016	ND	432	108	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	<200	200	09/24/2016	ND	199	99.4	200	2.82	
DRO >C10-C28	8000	200	09/24/2016	ND	212	106	200	5.31	

Surrogate: 1-Chlorooctane 68.9 % 35-147

Surrogate: 1-Chlorooctadecane 295 % 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:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 1' (H602134-06)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTX	<0.300	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/27/2016	ND	432	108	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	09/24/2016	ND	199	99.4	200	2.82	
DRO >C10-C28	<10.0	10.0	09/24/2016	ND	212	106	200	5.31	

Surrogate: 1-Chlorooctane 87.1 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 4 @ SURFACE (H602134-07)

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	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTEx	<0.300	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/27/2016	ND	432	108	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	<10.0	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 80.7 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 5 @ SURFACE (H602134-08)

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	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	<0.050	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	<0.050	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	<0.150	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTEx	<0.300	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/27/2016	ND	432	108	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	14.2	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 74.9 % 35-147

Surrogate: 1-Chlorooctadecane 95.7 % 28-171

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Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ SURFACE (H602134-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2016	ND	2.17	108	2.00	2.00	
Toluene*	0.144	0.050	09/26/2016	ND	2.21	110	2.00	1.60	
Ethylbenzene*	0.075	0.050	09/26/2016	ND	2.16	108	2.00	1.58	
Total Xylenes*	0.330	0.150	09/26/2016	ND	6.59	110	6.00	1.14	
Total BTX	0.586	0.300	09/26/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	09/27/2016	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 95.3 % 35-147

Surrogate: 1-Chlorooctadecane 442 % 28-171

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Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 6 @ 1' (H602134-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	<0.050	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTX	<0.300	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/27/2016	ND	432	108	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	<10.0	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 80.0 % 35-147

Surrogate: 1-Chlorooctadecane 98.8 % 28-171

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 7 @ SURFACE (H602134-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	0.141	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	0.086	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	0.355	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTX	0.582	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/27/2016	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 82.5 % 35-147

Surrogate: 1-Chlorooctadecane 338 % 28-171

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

Received:	09/22/2016	Sampling Date:	09/20/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 7 @ 1' (H602134-12)

BTEx 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2016	ND	2.31	115	2.00	0.272		
Toluene*	<0.050	0.050	09/27/2016	ND	2.34	117	2.00	0.0127		
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841		
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682		
Total BTEx	<0.300	0.300	09/27/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/27/2016	ND	432	108	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	<10.0	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 95.9 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 8 @ SURFACE (H602134-13)

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	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	0.096	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTEx	<0.300	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/27/2016	ND	432	108	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	<50.0	50.0	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	1970	50.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 70.3 % 35-147

Surrogate: 1-Chlorooctadecane 145 % 28-171

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Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 8 @ 1' (H602134-14)

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	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	<0.050	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTEx	<0.300	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	09/27/2016	ND	432	108	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	21.9	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 82.5 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

Sample ID: SP 8 @ 2' (H602134-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	09/27/2016	ND	432	108	400	0.00	

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

Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 8 @ 3' (H602134-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/27/2016	ND	432	108	400	0.00	

Sample ID: SP 9 @ SURFACE (H602134-17)

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	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	0.091	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	0.111	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	0.278	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTEX	0.481	0.300	09/27/2016	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/28/2016	ND	416	104	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	<100	100	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	9460	100	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 80.4 % 35-147

Surrogate: 1-Chlorooctadecane 376 % 28-171

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 9 @ 1' (H602134-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	<0.050	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTEx	<0.300	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/28/2016	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	<10.0	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 80.0 % 35-147

Surrogate: 1-Chlorooctadecane 98.1 % 28-171

Sample ID: SP 9 @ 2' (H602134-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	09/28/2016	ND	416	104	400	0.00	

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 9 @ 3' (H602134-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/28/2016	ND	416	104	400	0.00		

Sample ID: SP 10 @ SURFACE (H602134-21)

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	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	0.095	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	0.116	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	0.314	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTEX	0.525	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/28/2016	ND	416	104	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	<100	100	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	10800	100	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 91.5 % 35-147

Surrogate: 1-Chlorooctadecane 443 % 28-171

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 10 @ 1' (H602134-22)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	<0.050	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTX	<0.300	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/28/2016	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	12.4	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 86.4 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Sample ID: SP 10 @ 2' (H602134-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/28/2016	ND	416	104	400	0.00	

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 10 @ 3' (H602134-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/28/2016	ND	416	104	400	0.00		

Sample ID: SP 11 @ SURFACE (H602134-25)

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	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	0.187	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	0.238	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	0.848	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTEX	1.27	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/28/2016	ND	416	104	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	<100	100	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	7630	100	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 87.9 % 35-147

Surrogate: 1-Chlorooctadecane 289 % 28-171

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Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 11 @ 1' (H602134-26)

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	09/27/2016	ND	2.31	115	2.00	0.272		
Toluene*	<0.050	0.050	09/27/2016	ND	2.34	117	2.00	0.0127		
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841		
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682		
Total BTEx	<0.300	0.300	09/27/2016	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	09/28/2016	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	45.2	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 88.2 % 35-147

Surrogate: 1-Chlorooctadecane 103 % 28-171

Sample ID: SP 11 @ 2' (H602134-27)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/28/2016	ND	416	104	400	0.00	

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Fax To: (575) 397-0397

Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 11 @ 3' (H602134-28)

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/28/2016	ND	416	104	400	0.00	

Sample ID: SP 12 @ SURFACE (H602134-29)

BTEX 8021B		mg/kg	Analyzed By: MS						A-01
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	0.259	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	0.211	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	0.727	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTEX	1.20	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.6-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/28/2016	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						S-06, A-01
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	9250	100	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 93.6 % 35-147

Surrogate: 1-Chlorooctadecane 361 % 28-171

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Received:	09/22/2016	Sampling Date:	09/21/2016
Reported:	09/28/2016	Sampling Type:	Soil
Project Name:	SHELL STATE #3 CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 12 @ 1' (H602134-30)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2016	ND	2.31	115	2.00	0.272	
Toluene*	<0.050	0.050	09/27/2016	ND	2.34	117	2.00	0.0127	
Ethylbenzene*	<0.050	0.050	09/27/2016	ND	2.24	112	2.00	0.841	
Total Xylenes*	<0.150	0.150	09/27/2016	ND	6.74	112	6.00	0.682	
Total BTX	<0.300	0.300	09/27/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/28/2016	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	09/24/2016	ND	194	97.2	200	0.357	
DRO >C10-C28	<10.0	10.0	09/24/2016	ND	212	106	200	0.0141	

Surrogate: 1-Chlorooctane 83.7 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

Sample ID: SP 12 @ 2' (H602134-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/28/2016	ND	416	104	400	0.00	

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Received: 09/22/2016
Reported: 09/28/2016
Project Name: SHELL STATE #3 CTB
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/21/2016
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 12 @ 3' (H602134-32)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/28/2016	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

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.
A-01	Sample jar contained headspace. Results may be biased low.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																	
Project Manager: Cliff Brunson		P.O. #:		Company:																	
Address: P.O. Box 805		City: Hobbs		State: NM		Zip: 88241		Attn:													
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																	
Project #:		Project Owner: CBY		City:		State:		Zip:													
Project Name: Shell Stale #13 CTB		Project Location:		Phone #:																	
Sample Name: Self Orders		Fax #:		PRESERV		SAMPLING															
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING									
								GROUNDWATER													
								WASTEWATER													
								SOIL													
								OIL													
								SLUDGE													
								OTHER :													
								ACID/BASE :													
								ICE / COOL													
								OTHER :													
								DATE		TIME											
HL00134		10 @ Shell		G		1		9/21/6		11:55		TPH									
31		10 @ 1'		G		1		9/21/6		11:55		BTEX									
32		10 @ 2'		G		1		9/21/6		12:12		CL									
33		10 @ 3'		G		1		9/21/6		10:00											
34		10 @ 3'		G		1		9/21/6		11:55											
35		10 @ 3'		G		1		9/21/6		13:00											
36		10 @ 2'		G		1		9/21/6		14:55											
37		10 @ 2'		G		1		9/21/6		15:59											
38		10 @ 3'		G		1		9/21/6		21:5											
39		10 @ Shell		G		1		9/21/6		21:5											
40		10 @ 1'		G		1		9/21/6		22:2											

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

Relinquished By:	Date: 9/21/6	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: Jeff O'neals	Date: 9/21/6	Received By: Henderson	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
REMARKS: #29 sample had head space				

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: -3.10	Cool - Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4/4

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

#75

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	Oxy Permian Ltd.	Contact	Casey Summers
Address	6 Desta Drive, Midland, TX 79705	Telephone No.	(575) 513-8289
Facility Name	Shell State #3 CTB	Facility Type	Battery
Surface Owner	State	Mineral Owner	API No. 30-025-33246

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	36	22S	32E					Lea County, NM

Latitude N 32.34979° Longitude W 103.62951°

NATURE OF RELEASE

Type of Release	Oil and Produced water	Volume of Release	10 bbls oil, 10 bbls produced water	Volume Recovered	18 bbls
Source of Release	Power loss caused the tank to spill over	Date and Hour of Occurrence	08/31/2016	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, Kristen Lynch- NMOCD		
By Whom?	Kathy Purvis @ BBC International Inc.	Date and Hour	08/31/2016 @ 4:16 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 loss of power caused a tank to spill over and leak 10 bbls of oil and 10 bbls of produced water. A vacuum truck recovered all the free-standing fluids and the power was restored.

Describe Area Affected and Cleanup Action Taken.*

The affected area is approximately 250' x 25' both on and off location. Remediation will be completed in accordance with an approved remediation plan from NMOCD.

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:	OIL CONSERVATION DIVISION		
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:		Attached <input type="checkbox"/>
Date: <u>9-12-16</u>	Phone: (575) 513-8289		

* Attach Additional Sheets If Necessary