

Closure Report

Site Description

Site Name:	Salt Ridge CC 20 17 Fed Com 23H
Company:	Oxy
Legal Description:	U/L E, Section 17, T24S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.21834, W -104.01104

Release Data

Date of Release:	11/22/2018
Type of Release:	Oil and Produced Water
Source of Release:	Fatigue of production FL nipple
Volume of Release:	20 bbls oil, and 55 bbls produced water
Volume Recovered:	10 bbls oil, and 30 bbls produced water

Remediation Specifications

Remediation Parameters:	Excavated the entire leak area to a depth of 1 foot. Obtained bottom confirmation samples. Backfilled the site with clean soil.
Remediation Activities:	11/11/19 to 12/27/19

Plan Sent to OCD:	2/21/2019	E-mail from Cliff Brunson to NMOCD
OCD Approval of Plan:	2/21/2019	E-mail from Robert Hamlet to Cliff Brunson
Plan Sent to BLM:	2/21/2019	E-mail from Cliff Brunson to James Amos
BLM Approval of Plan:	Not required	Not required

Supporting Documentation

Initial C-141	Signed 12/03/2018
C-141, page 6	Signed 2/3/2020
Site Diagram	November, 2018
Pictures	Remediation photos prior to back fill
Lab Summary	Confirmation Lab 12/13/19
Depth to Groundwater	USGS search results, Groundwater trend map

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc.

2/14/2020

Oxy, Salt Ridge CC 20 17 Fed Com 23H

Leak Date: 11-22-18
Eddy County, NM
2RP-5172
API: 30-015-44947

Legend

- 1 ft Excavation
- Confirmation Samples
- Leak Area
- Location Pad



Google Earth

Oxy, Salt Ridge CC 20 17 Fed Com 23H

Confirmation Sample points

SP1, N 32.21865 W-104.01106

SP2, N 32.21857 W-104.01095

SP3, N 32.21849 W-104.01085

SP4, N 32.21842 W-104.01076

SP5, N 32.21834 W-104.01063

SP6, N 32.21861 W-104.01063

SP7, N 32.21851 W-104.01113

SP8, N 32.21842 W-104.01093

SP9, N 32.21834 W-104.01084

SP10, N 32.21825 W-104.01071

SP11, N 32.21855 W-104.01122

SP12, N 32.21844 W-104.01112

SP13, N 32.21836 W-104.01102

SP14, N 32.21829 W-104.01092

SP15, N 32.21819 W-104.01080

SP16, N 32.21849 W-104.01130

SP17, N 32.21838 W-104.01122

SP18, N 32.21830 W-104.01111

SP19, N 32.21821 W-104.01100

SP20, N 32.21812 W-104.01089







		Sample ID	BOTTOM 1	BOTTOM 2	BOTTOM 3	BOTTOM 4	BOTTOM 5	BOTTOM 6	BOTTOM 7	BOTTOM 8	BOTTOM 9	BOTTOM 10
Analyte	Method	Date	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		336	304	256	48.0	336	240	208	368	368	64.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		22.1	<10.0	<10.0	<10.0	<10.0	18.6	<10.0	<10.0	50.3	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	20.1	<10.0

		Sample ID	BOTTOM 11	BOTTOM 12	BOTTOM 13	BOTTOM 14	BOTTOM 15	BOTTOM 16	BOTTOM 17	BOTTOM 18	BOTTOM 19	BOTTOM 20
Analyte	Method	Date	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19	12/13/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		48.0	400	80	128	144	240	80.0	288	304	160
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	42.00	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	15.30	<10.0	<10.0	<10.0	<10.0



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

December 17, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SALT RIDGE CC 20 17 FED

Enclosed are the results of analyses for samples received by the laboratory on 12/16/19 16:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 1 (H904199-01)

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	12/16/2019	ND	2.06	103	2.00	2.72	
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05	
Total BTX	<0.300	0.300	12/16/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	22.1	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 98.8 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 2 (H904199-02)

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	12/16/2019	ND	2.06	103	2.00	2.72	
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05	
Total BTX	<0.300	0.300	12/16/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 91.2 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 3 (H904199-03)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 4 (H904199-04)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 98.5 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 5 (H904199-05)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 98.4 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 6 (H904199-06)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	18.6	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 95.8 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 7 (H904199-07)

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	12/16/2019	ND	2.06	103	2.00	2.72	
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05	
Total BTEX	<0.300	0.300	12/16/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 99.8 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 8 (H904199-08)

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	12/16/2019	ND	2.06	103	2.00	2.72	
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05	
Total BTX	<0.300	0.300	12/16/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 9 (H904199-09)

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	12/16/2019	ND	2.06	103	2.00	2.72	
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05	
Total BTEX	<0.300	0.300	12/16/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	50.3	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	20.1	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 99.1 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 10 (H904199-10)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 93.3 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 11 (H904199-11)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.9 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 12 (H904199-12)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 97.4 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 13 (H904199-13)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 91.9 % 41-142

Surrogate: 1-Chlorooctadecane 95.4 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 14 (H904199-14)

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	12/16/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/16/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.9 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 15 (H904199-15)

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	12/16/2019	ND	2.06	103	2.00	2.72	
Toluene*	<0.050	0.050	12/16/2019	ND	2.05	102	2.00	3.65	
Ethylbenzene*	<0.050	0.050	12/16/2019	ND	2.08	104	2.00	3.90	
Total Xylenes*	<0.150	0.150	12/16/2019	ND	6.06	101	6.00	4.05	
Total BTX	<0.300	0.300	12/16/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 96.8 % 41-142

Surrogate: 1-Chlorooctadecane 103 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 16 (H904199-16)

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	12/17/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/17/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/17/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/17/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/17/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	42.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	15.3	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 91.4 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 17 (H904199-17)

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	12/17/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/17/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/17/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/17/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/17/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 95.6 % 41-142

Surrogate: 1-Chlorooctadecane 99.3 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 18 (H904199-18)

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	12/17/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/17/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/17/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/17/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/17/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 96.8 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 19 (H904199-19)

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	12/17/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/17/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/17/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/17/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/17/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 99.4 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	12/16/2019	Sampling Date:	12/13/2019
Reported:	12/17/2019	Sampling Type:	Soil
Project Name:	SALT RIDGE CC 20 17 FED	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	OXY		

Sample ID: BOTTOM 20 (H904199-20)

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	12/17/2019	ND	2.06	103	2.00	2.72		
Toluene*	<0.050	0.050	12/17/2019	ND	2.05	102	2.00	3.65		
Ethylbenzene*	<0.050	0.050	12/17/2019	ND	2.08	104	2.00	3.90		
Total Xylenes*	<0.150	0.150	12/17/2019	ND	6.06	101	6.00	4.05		
Total BTX	<0.300	0.300	12/17/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/17/2019	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	12/17/2019	ND	219	110	200	0.0807	
DRO >C10-C28*	<10.0	10.0	12/17/2019	ND	221	111	200	0.384	
EXT DRO >C28-C36	<10.0	10.0	12/17/2019	ND					

Surrogate: 1-Chlorooctane 96.2 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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



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2 of 2

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Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5172
Facility ID	
Application ID	


Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate OCD District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 2-3-2020
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____