

Closure Report

1RP-5028

Site Description

Site Name:	Mexico J & L Tank Battery
Company:	Chevron, USA
Legal Description:	U/L B, Section 5, T25S, R38E
County:	Lea County, NM
GPS Coordinates:	N 32.1631306 W -103.082441

Release Data

Date of Release:	4/10/2018
Type of Release:	Produced water
Source of Release:	Failure of SCADA system & transmitter caused tanks to overfill
Volume of Release:	150 bbls
Volume Recovered:	150 bbls

Remediation Specifications

Remediation Parameters:	Excavate SP10 to a depth of 2 feet. Excavate SP13 and SP15 to a depth of 1 foot. Excavate SP6 and SP7 to 1 foot. Collect sidewall confirmation samples at no greater than 50 foot intervals. Back filled the entire site with clean soil.	
Remediation Activities:	3/25/20 to 3/31/20	
Plan Sent to OCD:	1/2/2019	
OCD Approval of Plan:	8/23/2019	
Plan Sent to SLO:	12/21/2018	
SLO Approval of Plan:	1/7/2019	

Supporting Documentation

Initial C-141	signed and included	
C-141, page 6	signed and included	
Site Diagram	Google Earth map with confirmation sample points	
Pictures	Photos showing cleaned soil on site.	
Lab Summary/Analysis	Confirmation lab summary/analysis report for 3/31/20	
Depth to Groundwater	USGS Info, 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.

4/24/2020

Chevron Mexico J&L Tank Battery

Leak Date: 4-10-18
Lea County, NM
API: 30-025-12368
1RP-5028

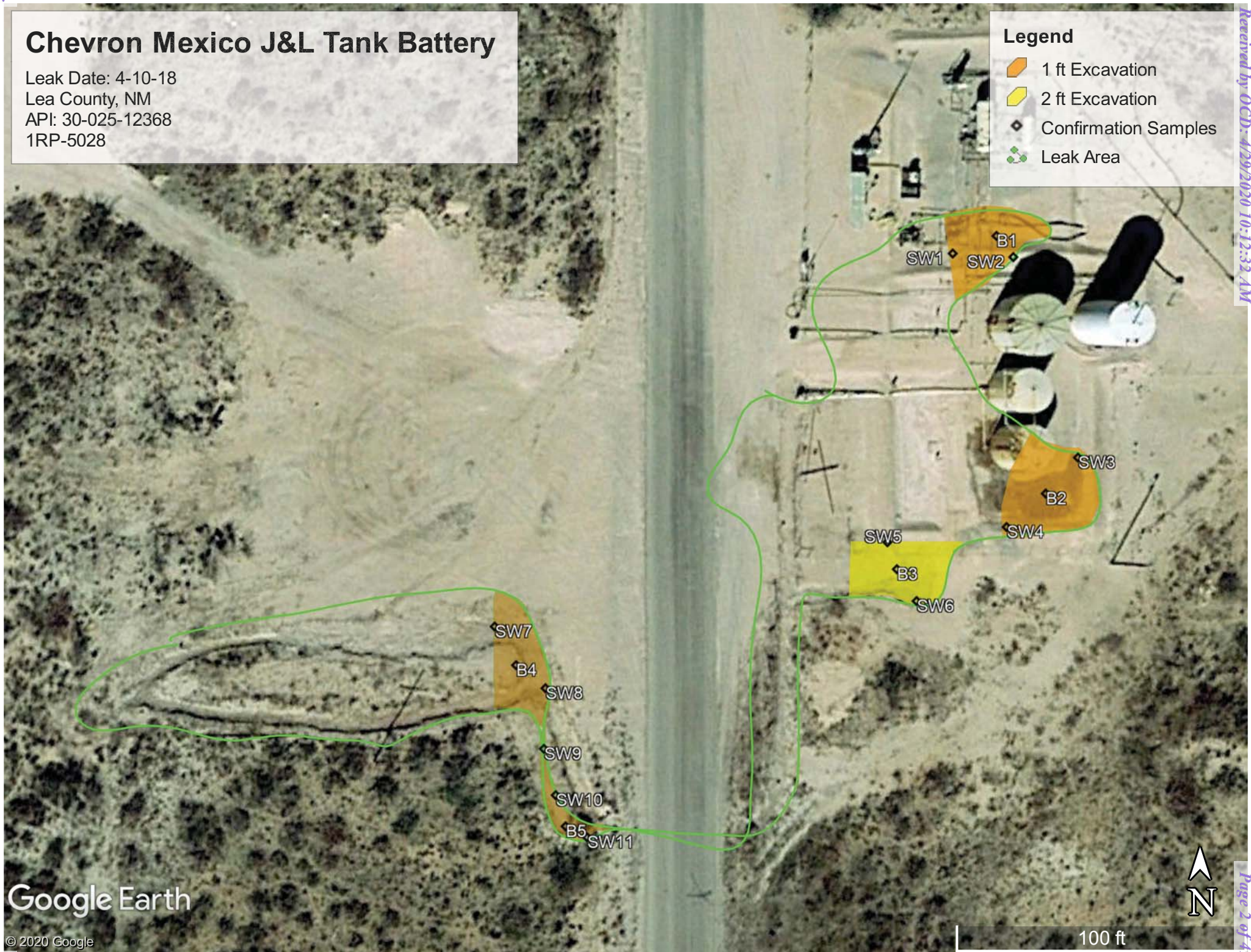
Legend

1 ft Excavation

2 ft Excavation

Confirmation Samples

Leak Area



Google Earth

© 2020 Google

Received by OCD: 4/29/2020 10:12:32 AM

Page 2 of 49

Chevron, Mexico J & L Tank Battery

U/L B, Sec 5, T25S, R38E

Leak Date: 4-10-18

Confirmation Sample Points

B1, N 32.16315, W -103.08223

B2, N 32.16291, W -103.08218

B3, N 32.16284, W -103.08234

B4, N 32.16275, W -103.08277

B5, N 32.16260, W -103.08271

SW1, N 32.16314, W -103.08228

SW2, N 32.16313, W -103.08221

SW3, N 32.16295, W -103.08214

SW4, N 32.16288, W -103.08222

SW5, N 32.16287, W -103.08235

SW6, N 32.16281, W -103.08232

SW7, N 32.16279, W -103.08279

SW8, N 32.16273, W -103.08273

SW9, N 32.16267, W -103.08274

SW10, N 32.16263, W -103.08272

SW11, N 32.16259, W -103.08269



03/29/2020



03/31/2020



03/31/2020



03/31/2020



03/29/2020



03/29/2020



03/29/2020



CAUTION
HIGH PRESSURE

ALL EQUIPMENT
STARTS AUTOMATICALLY
AT ANY TIME

OUT OF SERVICE

DANGER
THIS EQUIPMENT
STARTS AUTOMATICALLY
AT ANY TIME

03/29/2020



03/30/2020



03/30/2020



03/31/2020

Laboratory Analytical Results Summary
Chevron, Mexico J L Tank Battery (4-10-18)

		Sample ID	B1 @ 1'	B2 @ 1'	B3 @ 3'	B4 @ 1'	B5 @ 1'
Analyte	Method	Date	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20
			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		32.0	16.0	48.0	32.0	48.0
GRO	TPH 8015M		<10.0	<10.0	20.5	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	941	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	192	<10.0	<10.0

		Sample ID	SW1 @ 1'	SW2 @ 1'	SW3 @ 1'	SW4 @ 1'	SW5 @ 3'	SW6 @ 3'	SW7 @ 1'	SW8 @ 1'	SW9 @ 1'	SW10 @ 1'	SW11 @ 1'
Analyte	Method	Date	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20	3/31/20
			mg/kg	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	<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	<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	<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	<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	<0.300
Chloride	SM4500Cl-B		32.0	48.0	16.0	16.0	32.0	48.0	<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<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	315	88.8	<10.0	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



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

April 27, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MEXICO J & L TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/01/20 17:00.

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B 1 @ 1'	H000979-01	Soil	31-Mar-20 08:24	01-Apr-20 17:00
B 2 @ 1'	H000979-02	Soil	31-Mar-20 08:38	01-Apr-20 17:00
B 3 @ 3'	H000979-03	Soil	31-Mar-20 08:56	01-Apr-20 17:00
B 4 @ 1'	H000979-04	Soil	31-Mar-20 09:15	01-Apr-20 17:00
B 5 @ 1'	H000979-05	Soil	31-Mar-20 09:29	01-Apr-20 17:00
SW 1 @ 1'	H000979-06	Soil	31-Mar-20 09:49	01-Apr-20 17:00
SW 2 @ 1'	H000979-07	Soil	31-Mar-20 10:13	01-Apr-20 17:00
SW 3 @ 1'	H000979-08	Soil	31-Mar-20 10:29	01-Apr-20 17:00
SW 4 @ 1'	H000979-09	Soil	31-Mar-20 10:52	01-Apr-20 17:00
SW 5 @ 3'	H000979-10	Soil	31-Mar-20 11:17	01-Apr-20 17:00
SW 6 @ 3'	H000979-11	Soil	31-Mar-20 11:26	01-Apr-20 17:00
SW 7 @ 1'	H000979-12	Soil	31-Mar-20 11:39	01-Apr-20 17:00
SW 8 @ 1'	H000979-13	Soil	31-Mar-20 12:31	01-Apr-20 17:00
SW 9 @ 1'	H000979-14	Soil	31-Mar-20 12:48	01-Apr-20 17:00
SW 10 @ 1'	H000979-15	Soil	31-Mar-20 13:19	01-Apr-20 17:00
SW 11 @ 1'	H000979-16	Soil	31-Mar-20 13:38	01-Apr-20 17:00

04/27/20 - Client changed the project owner. Revised report issued to replace the one sent on 04/02/20.

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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

B 1 @ 1'
H000979-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040206	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129 0040206 MS 02-Apr-20 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane 82.5 % 44.3-144 0040209 MS 02-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 87.8 % 42.2-156 0040209 MS 02-Apr-20 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

B 2 @ 1'
H000979-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040206	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129 0040206 MS 02-Apr-20 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane 85.0 % 44.3-144 0040209 MS 02-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 89.8 % 42.2-156 0040209 MS 02-Apr-20 8015B

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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

B 3 @ 3'
H000979-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040206	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			122 %	73.3-129		0040206	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	20.5		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	
DRO >C10-C28*	941		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	192		10.0	mg/kg	1	0040209	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane			87.8 %	44.3-144		0040209	MS	02-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	42.2-156		0040209	MS	02-Apr-20	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

B 4 @ 1'
H000979-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040206	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040206	MS	02-Apr-20	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	73.3-129		0040206	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040204	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040204	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040204	MS	02-Apr-20	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.0 %	44.3-144		0040204	MS	02-Apr-20	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.5 %	42.2-156		0040204	MS	02-Apr-20	8015B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

B 5 @ 1'
H000979-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129 0040208 MS 02-Apr-20 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane 90.7 % 44.3-144 0040207 MS 02-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156 0040207 MS 02-Apr-20 8015B

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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 1 @ 1'
H000979-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.9 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			94.0 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 2 @ 1'
H000979-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.0 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.5 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 3 @ 1'
H000979-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129 0040208 MS 02-Apr-20 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane 90.3 % 44.3-144 0040207 MS 02-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 91.1 % 42.2-156 0040207 MS 02-Apr-20 8015B

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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 4 @ 1'
H000979-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.2 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.2 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 5 @ 3'
H000979-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129 0040208 MS 02-Apr-20 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	315		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	32.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane 94.1 % 44.3-144 0040207 MS 02-Apr-20 8015B

Surrogate: 1-Chlorooctadecane 110 % 42.2-156 0040207 MS 02-Apr-20 8015B

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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 6 @ 3'
H000979-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			101 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	88.8		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

<i>Surrogate: 1-Chlorooctane</i>			74.4 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.4 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 7 @ 1'
H000979-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	0040214	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane			92.5 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			98.6 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 8 @ 1'
H000979-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	0040215	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.9 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane			78.0 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			85.4 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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Cardinal Laboratories

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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 9 @ 1'
H000979-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	0040215	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.6 %		73.3-129	0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane			90.5 %		44.3-144	0040207	MS	02-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			97.2 %		42.2-156	0040207	MS	02-Apr-20	8015B	
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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 10 @ 1'
H000979-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	0040215	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane			90.3 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			94.8 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

SW 11 @ 1'
H000979-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	0040215	GM	02-Apr-20	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Toluene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	0040208	MS	02-Apr-20	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	0040208	MS	02-Apr-20	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-129		0040208	MS	02-Apr-20	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0040207	MS	02-Apr-20	8015B	

Surrogate: 1-Chlorooctane			97.6 %	44.3-144		0040207	MS	02-Apr-20	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	42.2-156		0040207	MS	02-Apr-20	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0040214 - 1:4 DI Water										
Blank (0040214-BLK1)				Prepared & Analyzed: 02-Apr-20						
Chloride	ND	16.0	mg/kg							
LCS (0040214-BS1)				Prepared & Analyzed: 02-Apr-20						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (0040214-BSD1)				Prepared & Analyzed: 02-Apr-20						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 0040215 - 1:4 DI Water										
Blank (0040215-BLK1)				Prepared & Analyzed: 02-Apr-20						
Chloride	ND	16.0	mg/kg							
LCS (0040215-BS1)				Prepared & Analyzed: 02-Apr-20						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (0040215-BSD1)				Prepared & Analyzed: 02-Apr-20						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0040206 - Volatiles**Blank (0040206-BLK1)**

Prepared & Analyzed: 02-Apr-20

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.5	73.3-129			

LCS (0040206-BS1)

Prepared & Analyzed: 02-Apr-20

Benzene	1.86	0.050	mg/kg	2.00		93.2	72.2-131			
Toluene	1.85	0.050	mg/kg	2.00		92.7	71.7-126			
Ethylbenzene	1.86	0.050	mg/kg	2.00		92.8	68.9-126			
Total Xylenes	5.34	0.150	mg/kg	6.00		89.0	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	73.3-129			

LCS Dup (0040206-BSD1)

Prepared & Analyzed: 02-Apr-20

Benzene	2.05	0.050	mg/kg	2.00		102	72.2-131	9.37	14.6	
Toluene	2.04	0.050	mg/kg	2.00		102	71.7-126	9.75	17.4	
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	68.9-126	9.95	18.9	
Total Xylenes	5.93	0.150	mg/kg	6.00		98.8	71.4-125	10.5	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	73.3-129			

Batch 0040208 - Volatiles**Blank (0040208-BLK1)**

Prepared & Analyzed: 02-Apr-20

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.8	73.3-129			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0040208 - Volatiles**LCS (0040208-BS1)**

Prepared & Analyzed: 02-Apr-20

Benzene	2.09	0.050	mg/kg	2.00		105	72.2-131			
Toluene	2.12	0.050	mg/kg	2.00		106	71.7-126			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	68.9-126			
Total Xylenes	6.28	0.150	mg/kg	6.00		105	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	73.3-129			

LCS Dup (0040208-BS1)

Prepared & Analyzed: 02-Apr-20

Benzene	2.02	0.050	mg/kg	2.00		101	72.2-131	3.76	14.6	
Toluene	2.04	0.050	mg/kg	2.00		102	71.7-126	3.87	17.4	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	68.9-126	4.04	18.9	
Total Xylenes	6.02	0.150	mg/kg	6.00		100	71.4-125	4.32	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	73.3-129			

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0040204 - General Prep - Organics**Blank (0040204-BLK1)**

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.3	44.3-144			
Surrogate: 1-Chlorooctadecane	48.3		mg/kg	50.0		96.6	42.2-156			

LCS (0040204-BS1)

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	185	10.0	mg/kg	200		92.7	78.8-127			
DRO >C10-C28	178	10.0	mg/kg	200		89.1	80-132			
Total TPH C6-C28	364	10.0	mg/kg	400		90.9	81.3-128			
Surrogate: 1-Chlorooctane	50.1		mg/kg	50.0		100	44.3-144			
Surrogate: 1-Chlorooctadecane	51.2		mg/kg	50.0		102	42.2-156			

LCS Dup (0040204-BS1)

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	185	10.0	mg/kg	200		92.7	78.8-127	0.00809	15.1	
DRO >C10-C28	181	10.0	mg/kg	200		90.6	80-132	1.72	17.1	
Total TPH C6-C28	367	10.0	mg/kg	400		91.7	81.3-128	0.852	15	
Surrogate: 1-Chlorooctane	49.9		mg/kg	50.0		99.7	44.3-144			
Surrogate: 1-Chlorooctadecane	50.2		mg/kg	50.0		100	42.2-156			

Batch 0040207 - General Prep - Organics**Blank (0040207-BLK1)**

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.4		mg/kg	50.0		90.8	44.3-144			
Surrogate: 1-Chlorooctadecane	45.3		mg/kg	50.0		90.6	42.2-156			

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Analytical Results For:

BBC International, Inc.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0040207 - General Prep - Organics**LCS (0040207-BS1)**

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	187	10.0	mg/kg	200		93.3	78.8-127			
DRO >C10-C28	184	10.0	mg/kg	200		91.8	80-132			
Total TPH C6-C28	370	10.0	mg/kg	400		92.6	81.3-128			
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	44.3-144			
Surrogate: 1-Chlorooctadecane	49.0		mg/kg	50.0		98.1	42.2-156			

LCS Dup (0040207-BSD1)

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	191	10.0	mg/kg	200		95.4	78.8-127	2.26	15.1	
DRO >C10-C28	194	10.0	mg/kg	200		97.2	80-132	5.64	17.1	
Total TPH C6-C28	385	10.0	mg/kg	400		96.3	81.3-128	3.95	15	
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.5	44.3-144			
Surrogate: 1-Chlorooctadecane	48.8		mg/kg	50.0		97.5	42.2-156			

Batch 0040209 - General Prep - Organics**Blank (0040209-BLK1)**

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.3		mg/kg	50.0		84.7	44.3-144			
Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0		90.2	42.2-156			

LCS (0040209-BS1)

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	167	10.0	mg/kg	200		83.7	78.8-127			
DRO >C10-C28	163	10.0	mg/kg	200		81.7	80-132			
Total TPH C6-C28	331	10.0	mg/kg	400		82.7	81.3-128			
Surrogate: 1-Chlorooctane	42.0		mg/kg	50.0		84.0	44.3-144			
Surrogate: 1-Chlorooctadecane	44.5		mg/kg	50.0		88.9	42.2-156			

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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.
P.O. Box 805
Hobbs NM, 88241

Project: MEXICO J & L TANK BATTERY
Project Number: (4-10-18)
Project Manager: Cliff Brunson
Fax To: (575) 397-0397

Reported:
27-Apr-20 13:54

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 0040209 - General Prep - Organics**LCS Dup (0040209-BSD1)**

Prepared & Analyzed: 02-Apr-20

GRO C6-C10	195	10.0	mg/kg	200		97.6	78.8-127	15.3	15.1	QR-02
DRO >C10-C28	184	10.0	mg/kg	200		92.0	80-132	12.0	17.1	
Total TPH C6-C28	379	10.0	mg/kg	400		94.8	81.3-128	13.6	15	
Surrogate: 1-Chlorooctane	47.8		mg/kg	50.0		95.5	44.3-144			
Surrogate: 1-Chlorooctadecane	49.1		mg/kg	50.0		98.2	42.2-156			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 1 of 2

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: Cliff Brunson				P.O. #:																					
Address: P.O. Box 805				Company: CHEVRON																					
City: Hobbs State: NM Zip: 88241				Attn: AMY																					
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																					
Project #: Project Owner: <u>Oxy Chevron</u>				City:																					
Project Name: Mexico J & L Tank Battery (4-10-18)				State: Zip:																					
Project Location: Lea County, NM				Phone #:																					
Sampler Name: Simon Rendon				Fax #:																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	GRAB OR (COMP. #)	CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	CL	BTEX	TPH	EXT							
H000979																									
1	B1 @ 1'	✓											3/31/20	8:24 AM	✓	✓	✓								
2	B2 @ 1'	✓											3/31/20	8:38 AM	✓	✓	✓								
3	B3 @ 3'	✓											3/31/20	8:56 AM	✓	✓	✓								
4	B4 @ 1'	✓											3/31/20	9:15 AM	✓	✓	✓								
5	B5 @ 1'	✓											3/31/20	9:29 AM	✓	✓	✓								
6	SW1 @ 1'	✓											3/31/20	9:49 AM	✓	✓	✓								
7	SW2 @ 1'	✓											3/31/20	10:13 AM	✓	✓	✓								
8	SW3 @ 1'	✓											3/31/20	10:29 AM	✓	✓	✓								
9	SW4 @ 1'	✓											3/31/20	10:52 AM	✓	✓	✓								
10	SW5 @ 3'	✓											3/31/20	11:17 AM	✓	✓	✓								

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Relinquished By: <u>Simon Rendon</u>	Date: <u>3/31/20</u> Time: <u>5:00 PM</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) <u>-5.8c</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>15J</u>	REMARKS:	
Sampler - UPS - Bus - Other: <u>#113</u>				

PLEASE RUSH!

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

**CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST 2 of 2

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Cliff Brunson				P.O. #:																							
Address: P.O. Box 805				Company: CHEVRON																							
City: Hobbs State: NM Zip: 88241				Attn: AMY																							
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																							
Project #: Project Owner: <u>Oxy Chevron</u>				City:																							
Project Name: Mexico J & L Tank Battery (4-10-18) <u>TP 4/27/20</u>				State: Zip:																							
Project Location: Lea County, NM				Phone #:																							
Sampler Name: Simon Rendon				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																	
						GROUNDWATER						DATE		TIME		CL		BTEX		TPH EXT							
11		SW6 @ 3'		G 1								3/31/20		11:26 AM		✓		✓		✓							
12		SW7 @ 1'										3/31/20		11:39 AM		✓		✓		✓							
13		SW8 @ 1'										3/31/20		12:31 PM		✓		✓		✓							
14		SW9 @ 1'										3/31/20		12:48 PM		✓		✓		✓							
15		SW10 @ 1'										3/31/20		1:19 PM		✓		✓		✓							
16		SW11 @ 1'										3/31/20		1:38 PM		✓		✓		✓							

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Relinquished By: <u>Carla Z</u>	Date: <u>3/31/20</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: <u>5:00 PM</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:	
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:		PLEASE RUSH!		
Delivered By: (Circle One)	<u>-5.82</u>	Sample Condition			CHECKED BY:
Sampler - UPS - Bus - Other:	<u>#113</u>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No			<u>1/3</u>

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

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 April 3, 2017

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: Chevron USA Inc.	Contact: Alison Campestre
Address: 6301 Deauville Blvd., Midland, TX 79706	Telephone No. Office: 432-687-7587 Mobile: 281-615-2381
Facility Name: Mexico J and L Tank Battery	Facility Type: Tank Battery
Surface Owner: State	Mineral Owner: State
API No. (for wells going to the battery): 3002512298, 3002512299, 3002512311, 3002512365, 3002512368, 3002512375, 3002512388	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	5	25S	38E					Lea

Latitude 32.1631306° Longitude -103.0824417°NADA83

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: 157.5 barrels produced water	Volume Recovered: 150 barrels produced water
Source of Release: Produced water tank overflow	Date and Hour of Occurrence: 04/10/2018; ~5 PM	Date and Hour of Discovery: 04/10/2018; 11:05 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Maxey Brown – NMOCD	
By Whom? Tiphany White	Date and Hour: 04/11/2018; 4:49 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse: N/A	
If a Watercourse was Impacted, Describe Fully.*: N/A		

RECEIVED

By Olivia Yu at 7:31 am, Apr 27, 2018

Describe Cause of Problem and Remedial Action Taken.*

A failure of the SCADA system and transmitter caused the water tanks to overflow resulting in the produced water spill. All wells going to the battery were shut-in as soon as possible.

Describe Area Affected and Cleanup Action Taken.*

Approximately 150 barrels of produced water impacted the secondary containment composed of compacted caliche. Additionally, approximately 7.5 barrels impacted surrounding soil. A vacuum truck was called and removed approximately 150 barrels of produced water.

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: <i>Alison Campestre</i>	OIL CONSERVATION DIVISION	
Printed Name: Alison Campestre	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: HES Compliance Support - Environmental	Approval Date: <u>4/27/2018</u>	Expiration Date:
E-mail Address: alison.campestre@chevron.com	Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Date: 4/24/2018 Phone: 281-615-2381		

* Attach Additional Sheets If Necessary

1RP-5028

nOY1811727725

pOY1811728361

From: [Billings, Bradford, EMNRD](#)
To: [Cliff Brunson](#)
Cc: ["Barnhill, Amy D."](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Kathy Purvis"](#)
Subject: RE: [EXT] Chevron Mexico J and L Tank Battery (1RP-5028) - Delineation/Remediation Workplan
Date: Friday, August 23, 2019 1:58:05 PM

8/23/2019

Re: Remedial Work Plan for 1RP-5028

Amy Barnhill – Chevron
Cliff Brunson – BBC International

Following review of data the following: Work Plan from December, 2018 is approved with the additional needs below.

1. Identify by geolocating all confirmatory sample points. As per rule.
2. Based on reported data a one foot soil removal in the areas of SP6 and SP7 appears to be needed based on surface values of chloride of 960 and 1230 ppm.

Thank you for your efforts and patience.

Please make sure surface owner has no additional needs to accommodate.

Please keep a copy of this communication as no paper copy will Follow. It may take some time for this information to appear in OCD data base.

Sincerely,

Bradford Billings
EMNRD/OCD
Santa Fe

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations

From: Cliff Brunson <cbrunson@bbcinternational.com>
Sent: Friday, December 21, 2018 10:16 AM
To: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Ryan Mann <rmann@slo.state.nm.us>

Cc: 'Barnhill, Amy D.' <ABarnhill@chevron.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>

Subject: [EXT] Chevron Mexico J and L Tank Battery (1RP-5028) - Delineation/Remediation Workplan

Brad and Ryan,

Please find the attached Delineation Workplan and remediation proposal for the Chevron Mexico J and L Tank Battery (1RP-5028). Chevron is requesting that you review this plan and is looking forward to the OCD's and SLO's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com



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From: [Mann, Ryan](#)
To: ["Cliff Brunson"](#); ["Billings, Bradford, EMNRD"](#)
Cc: ["Barnhill, Amy D."](#); ["Ken Swinney"](#); ["Jennifer Gilkey"](#); ["Kathy Purvis"](#)
Subject: RE: Chevron Mexico J and L Tank Battery (1RP-5028) - Delineation/Remediation Workplan
Date: Friday, January 4, 2019 9:55:45 AM

Good morning all,

NMSLO will approve of the remediation plan with the following changes:

- The areas around SP1, SP3, SP5, SP8, and SP9 are located in what I would consider off of the pad. If no remediation is planned, as proposed, provide photos or some other form of documentation to verify the vegetation isn't distressed and no revegetation efforts are warranted.
- The C-141 list the release as produced water, however several sample points came back with high levels of TPH. Is this from previous releases?
- Ms. Barnhill, what is the pad on the west side of the road used for? This appears to not be necessary. If so, the area should be reclaimed.

Like approval is also necessary from NMOCD.

Thanks Ryan

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Friday, December 21, 2018 10:16 AM
To: 'Billings, Bradford, EMNRD' <Bradford.Billings@state.nm.us>; Mann, Ryan <rmann@slo.state.nm.us>
Cc: 'Barnhill, Amy D.' <ABarnhill@chevron.com>; 'Ken Swinney' <kswinney@bbcinternational.com>; 'Jennifer Gilkey' <jgilkey@bbcinternational.com>; 'Kathy Purvis' <kathy@bbcinternational.com>
Subject: Chevron Mexico J and L Tank Battery (1RP-5028) - Delineation/Remediation Workplan

Brad and Ryan,

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If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:

1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397
E-Mail: cbrunson@bbcinternational.com



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Incident ID	
District RP	1RP-5028
Facility ID	30-025-12368
Application ID	

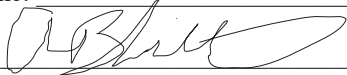
Closure

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 ODC 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: Amy Barnhill Title: Waste & Water Specialist
Signature:  Date: 4-14-2020
email: abarnhill@chevron.com Telephone: (432) 687-7108

OCD Only

Received by: Cristina Eads Date: 04/29/2020

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: 07/01/2020
Printed Name: Cristina Eads Title: Environmental Specialist



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- Please see news on new formats
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320952103042901

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320952103042901 25S.38E.05.222331

Lea County, New Mexico
Latitude 32°09'52", Longitude 103°04'29" NAD27
Land-surface elevation 3,156 feet above NAVD88
The depth of the well is 140 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1970-12-10			D	93.46		2		U		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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