

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Chevron Delaware Basin	Contact	Brian Criswell
Address	PO Box 190, Hobbs, NM 88241	Telephone No.	(575) 263-0409
Facility Name	RR Sims Battery	Facility Type	Battery

Surface Owner	Mineral Owner	API No.
---------------	---------------	---------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	4	23S	37E					Lea County, NM

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	46 bbls	Volume Recovered	42 bbls
Source of Release	Bleeder check valve busted	Date and Hour of Occurrence	01/28/2014 12:00 pm	Date and Hour of Discovery	12:00 pm
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking- NMOCD		
By Whom?	Bradley Blevins	Date and Hour	01/31/2014 @ 7:00 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*


Describe Cause of Problem and Remedial Action Taken.*

Bleeder check valve busted in the 1-1/2x2 swedge on the discharge side of the lact. Allocation vessel for RR Sims B1 water/gas line froze as well sending fluid out PSV releasing 46 bbls of oil into the firewall only. 42 bbls of oil was recovered via vacuum truck and the bleeder check valve was repaired or replaced.

Describe Area Affected and Cleanup Action Taken.*

A bleeder check valve busted causing 46 bbls of oil to leak into the firewall of the battery only. 42 bbls of oil was recovered via vacuum truck and the bleeder check valve was repaired or replaced. Remediation was completed in accordance with the remediation plan approved by Geoffrey Leking of NMOCD via email on 04/07/2014.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION  Approved by District Supervisor: Environmental Specialist		
Printed Name: Brian Criswell			
Title: Safety Specialist	Approval Date: 07/02/14	Expiration Date: -	
E-mail Address: Brian.Criswell@chevron.com	Conditions of Approval: -	Attached <input type="checkbox"/>	
Date: 6-12-2014	Phone: (575) 263-0409		

* Attach Additional Sheets If Necessary

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Chevron Delaware Basin	Contact	Bradley Blevins
Address	PO Box 190, Hobbs, NM 88241	Telephone No.	(575) 391-1462
Facility Name	RR Sims Battery	Facility Type	Battery

Surface Owner	Mineral Owner	API No.
---------------	---------------	---------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	4	23S	37E					Lea County, NM

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	46 bbls	Volume Recovered	42 bbls
Source of Release	Bleeder check valve busted	Date and Hour of Occurrence	01/28/2014 12:00 pm	Date and Hour of Discovery	12:00 pm
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking- NMOCD		
By Whom?	Bradley Blevins	Date and Hour	01/31/2014 @ 7:00 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

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Bleeder check valve busted in the 1-1/2x2 swedge on the discharge side of the lact. Allocation vessel for RR Sims B1 water/gas line froze as well sending fluid out PSV releasing 46 bbls of oil into the firewall only. 42 bbls of oil was recovered via vacuum truck and the bleeder check valve was repaired or replaced.

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OIL CONSERVATION DIVISION

Signature: <i>Bradley Blevins</i>	Approved by District Supervisor:	
Printed Name: Bradley Blevins	Approval Date:	Expiration Date:
Title: EHS Specialist	Conditions of Approval:	
E-mail Address: Bradley.blevins@chk.com	Attached <input type="checkbox"/>	
Date: 1-31-14 Phone: (575) 391-1462		

* Attach Additional Sheets If Necessary

Closure Report

HOBBS OCD

JUN 13 2014

Site Description		RECEIVED
Site Name:	RR Sims Battery	
Company:	Chevron Delaware Basin	
Legal Description:	U/L N, Section 4, T23S, R37E	
County:	Lea County, NM	
GPS Coordinates:	Unknown	

Release Data	
Date of Release:	01/28/2014
Type of Release:	Oil
Source of Release:	Bleeder check valve busted
Volume of Release:	46 bbls
Volume Recovered:	42 bbls

approved
Geoffrey Leking
Environmental Specialist
NMOCD - DIST 1
07/02/14

Remediation Specifications	
Remediation Parameters:	The area around SP2 and SP3 was excavated to a depth of 1 foot. Excavate to a depth of 2.5 feet in the area of SP1 to insure the TPH contamination is removed. Then, backfill the site with clean soil.
Remediation Activities:	05/01/2014 to 06/10/2014

Plan Sent to OCD:	04/05/2014	Email from Cliff Brunson to Geoffrey Leking
OCD Approval of Plan:	04/07/2014	Email from Geoffrey Leking to Cliff Brunson
Plan Sent to BLM:	n/a	n/a
BLM Approval of Plan:	n/a	n/a

Supporting Documentation	
Initial C-141	Signed 01/31/2014
Final C-141	Signed 06/12/2014
Site Diagram	March 2014
Groundwater Plot	75'-100'
TOPO Maps	n/a
Lab Summary	03/03/2014
Lab Analysis	03/03/2014
Correspondence	Request and approval of remediation plan via email

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.	06/12/2014

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Surface Owner	Mineral Owner	API No.
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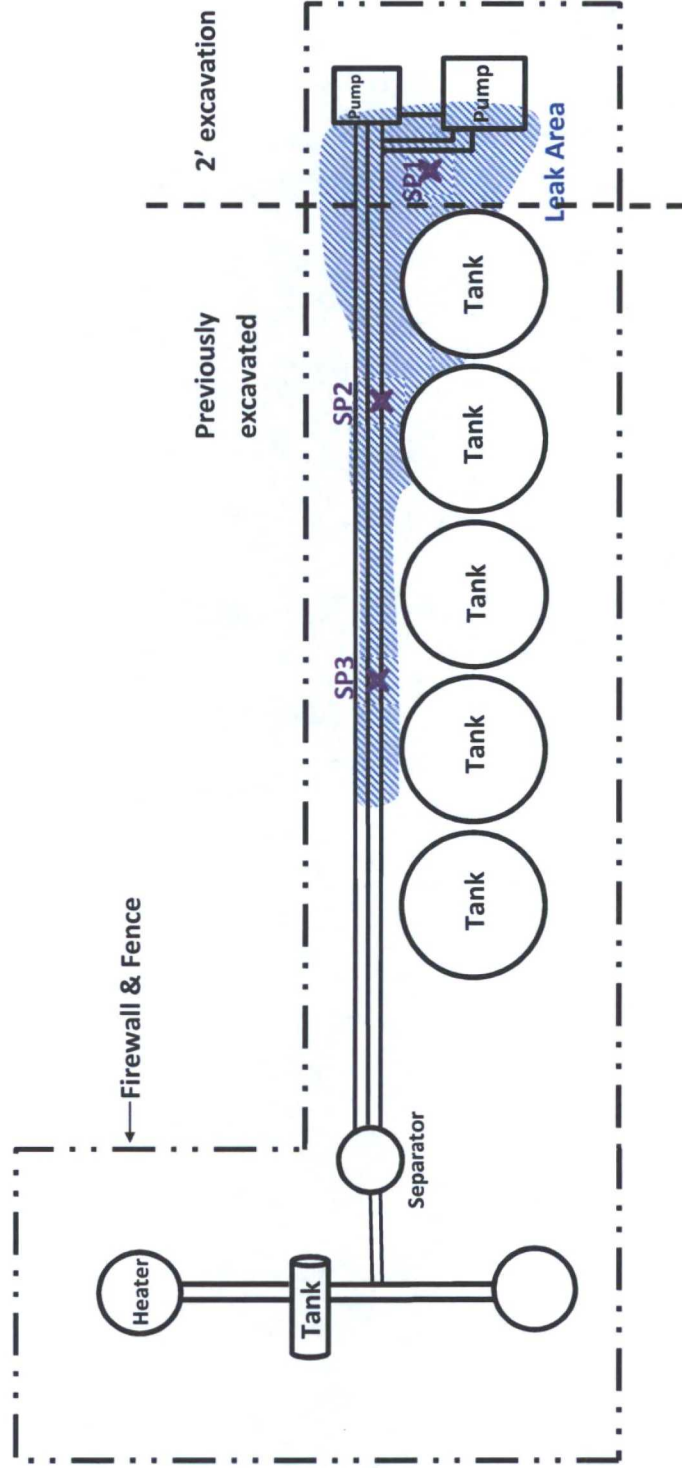
OIL CONSERVATION DIVISION

Signature: <i>Bradley Blevins</i>	Approved by District Supervisor:		
Printed Name: Bradley Blevins			
Title: EHS Specialist	Approval Date:	Expiration Date:	
E-mail Address: Bradley.blevins@chk.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1-31-14	Phone: (575) 391-1462		

* Attach Additional Sheets If Necessary

Chevron

RR Sims Tank Btry



U/L N, Section 4, T23S, R37E
Lea County, NM

BBC International, Inc.

Chevron

RR Sims Tank Btry

Date: 03/06/2014	DRWG by: K. Purvis
NOT TO SCALE	File: Chevron 2014

Groundwater Plot

Chevron RR Sims Tank Battery

County
Lea

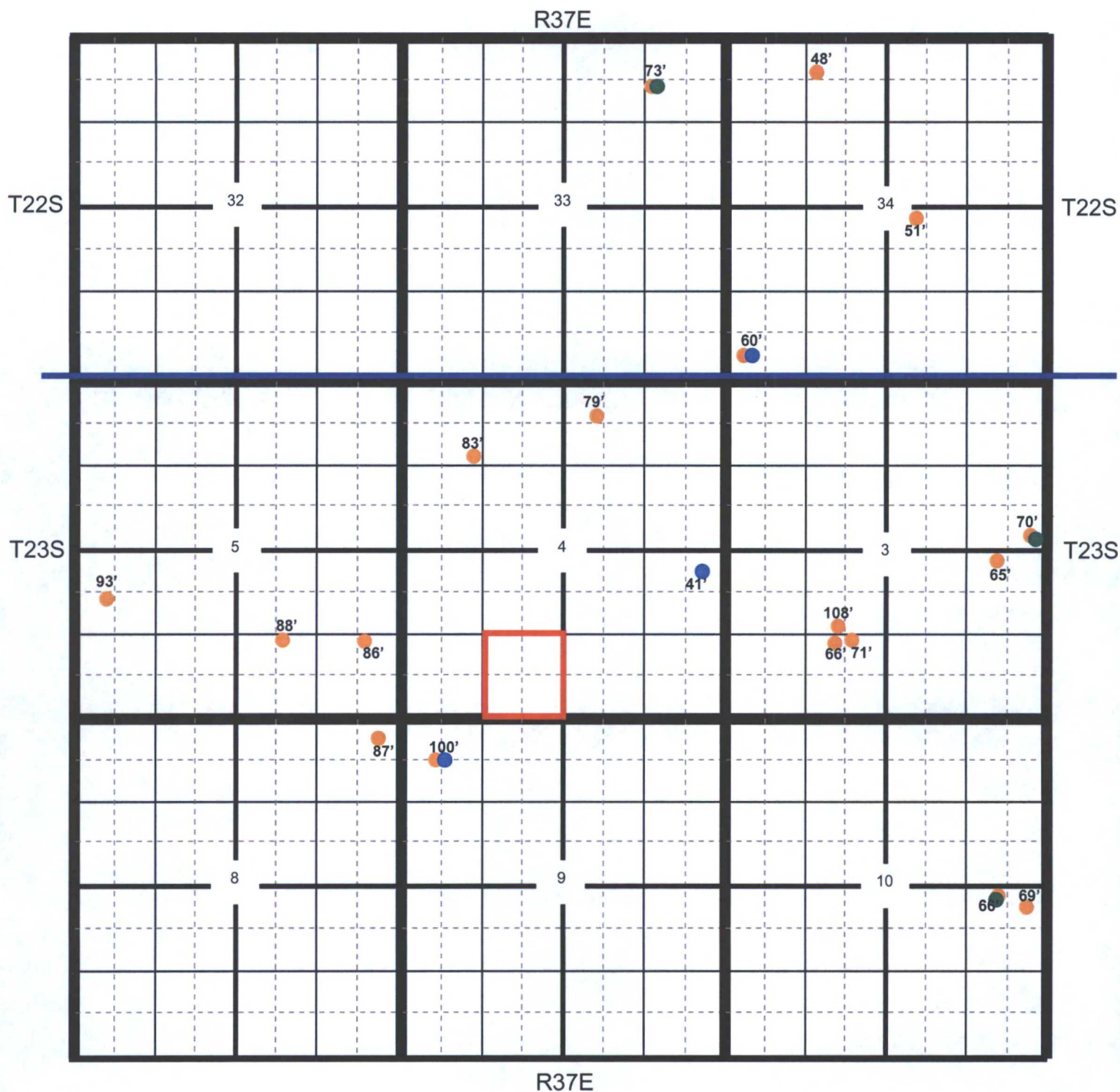
Unit Letter
N

Section
4

Township
23S

Range
37E

Trend Map 75'-100'



Location

OCD

USGS

SEO

All Databases

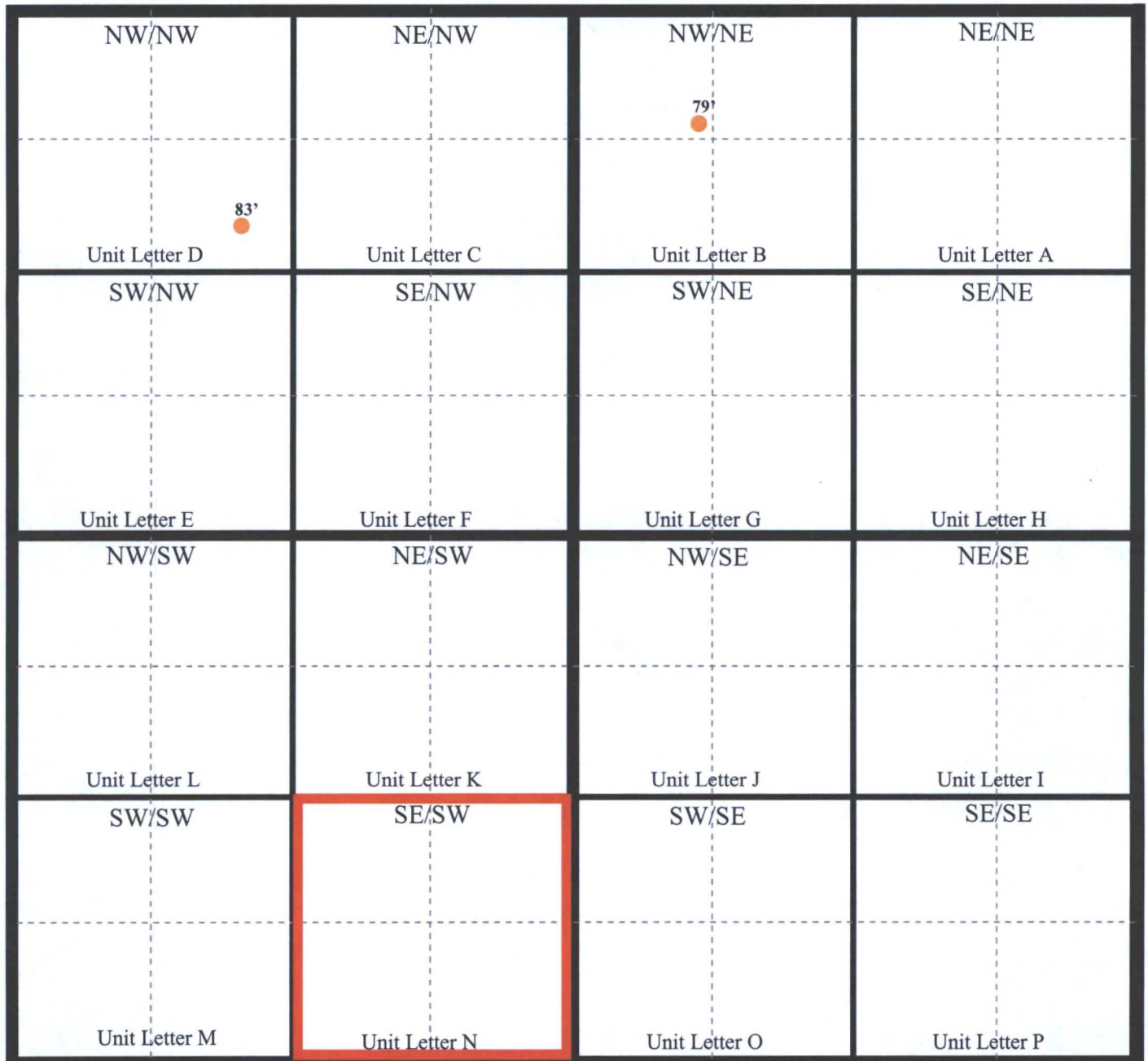
Chevron RR Sims Tank Battery

County: Lea Unit Letter: N Section: 4 Township: 23S Range: 37E

Trend Map 75'-100'

1

2



3

4

Laboratory Analytical Results Summary
RR Sims Battery

Analyte	Method	Sample		SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'
		Date		3/3/14 mg/kg	3/3/14 mg/kg	3/3/14 mg/kg	3/3/14 mg/kg	3/3/14 mg/kg
Benzene	BTEX 8021B			<1.00	<0.100	<0.050	<0.050	<0.050
Toluene	BTEX 8021B			6.95	0.388	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B			11.1	0.877	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B			29.1	2.73	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B			47.2	4	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B			<16.0	<16.0	<16.0	48	<16.0
GRO	TPH 8015M			1300	192	13.9	<10.0	<10.0
DRO	TPH 8015M			4660	1330	132	172	184

Analyte	Method	Sample		SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
		Date		3/3/14 mg/kg	3/3/14 mg/kg	3/3/14 mg/kg
Benzene	BTEX 8021B			<0.050	<0.050	<0.050
Toluene	BTEX 8021B			<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B			<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B			<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B			<0.300	<0.300	<0.300
Chloride	SM4500Cl-B			<16.0	<16.0	<16.0
GRO	TPH 8015M			<10.0	<10.0	<10.0
DRO	TPH 8015M			64.1	<10.0	<10.0

Analyte	Method	Sample		SP3 @ 1'	SP3 @ 2'	SP3 @ 4'	SP3 @ 6'	SP3 @ 8'
		Date		3/3/14 mg/kg	3/3/14 mg/kg	3/3/14 mg/kg	3/3/14 mg/kg	3/3/14 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			<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M			<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M			14.8	72.7	42.5	132	26.5

March 13, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: R R SIMS BATTERY 1-28-14

Enclosed are the results of analyses for samples received by the laboratory on 03/06/14 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400700-01)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	6.95	1.00	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	11.1	1.00	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	29.1	3.00	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	47.2	6.00	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.6 % 61.3-142

Surrogate: Toluene-d8 105 % 71.3-129

Surrogate: 4-Bromofluorobenzene 144 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1300	50.0	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	4660	50.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 139 % 65.2-140

Surrogate: 1-Chlorooctadecane 174 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H400700-02)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	0.388	0.100	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	0.877	0.100	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	2.73	0.300	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	4.00	0.600	03/12/2014	ND					

Surrogate: Dibromofluoromethane 94.1 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 184 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	192	10.0	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	1330	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 142 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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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: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H400700-03)

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69		
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43		
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19		
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84		
Total BTEx	<0.300	0.300	03/12/2014	ND						

Surrogate: Dibromofluoromethane 99.5 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 121 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	13.9	10.0	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	132	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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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

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Reported: 03/13/2014
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Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 5' (H400700-04)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.5 % 61.3-142
Surrogate: Toluene-d8 98.6 % 71.3-129
Surrogate: 4-Bromofluorobenzene 111 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/10/2014	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	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	172	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 106 % 65.2-140
Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Analytical Results For:

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

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 7' (H400700-05)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 94.0 % 61.3-142
Surrogate: Toluene-d8 103 % 71.3-129
Surrogate: 4-Bromofluorobenzene 108 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	184	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 110 % 65.2-140
Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H400700-06)

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69		
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43		
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19		
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84		
Total BTX	<0.300	0.300	03/12/2014	ND						

Surrogate: Dibromofluoromethane 95.8 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/10/2014	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	03/10/2014	ND	207	103	200	1.16		
DRO >C10-C28	64.1	10.0	03/10/2014	ND	198	98.9	200	2.67		

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H400700-07)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 97.0 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	<10.0	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 4' (H400700-08)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 97.3 % 61.3-142
Surrogate: Toluene-d8 103 % 71.3-129
Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	<10.0	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 101 % 65.2-140
Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H400700-09)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 98.7 % 61.3-142
Surrogate: Toluene-d8 105 % 71.3-129
Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	14.8	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 104 % 65.2-140
Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 2' (H400700-10)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.9 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 109 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	72.7	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 4' (H400700-11)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 94.7 % 61.3-142
Surrogate: Toluene-d8 104 % 71.3-129
Surrogate: 4-Bromofluorobenzene 110 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	42.5	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 100 % 65.2-140
Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Fax To: (575) 397-0397

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 6' (H400700-12)

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69		
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43		
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19		
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84		
Total BTEx	<0.300	0.300	03/12/2014	ND						

Surrogate: Dibromofluoromethane 96.2 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 114 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	132	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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

Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 8' (H400700-13)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEx	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 98.0 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	26.5	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#54



ANALYSIS REQUEST

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

#54

Jennifer Gilkey

From: Leking, Geoffrey R, EMNRD <GeoffreyR.Leking@state.nm.us>
Sent: Monday, April 07, 2014 1:26 PM
To: Cliff P. Brunson
Cc: Bradley Blevins; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: RE: Chevron-RR Sims Tank Battery-Remediation Plan

Cliff

Per our conversation of April 2, 2014 and review of the below email chain including attachment, the remediation plan is approved for the Chevron RR Sims Tank Battery. Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Monday, April 07, 2014 12:20 PM
To: Leking, Geoffrey R, EMNRD
Cc: Bradley Blevins; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Re: Chevron-RR Sims Tank Battery-Remediation Plan

Geoff,

Yes, we will excavate to a depth of 2.5 feet per your e-mail. I realize it was confusing since some had already been excavated. I apologize for the confusion.

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: Geoffrey Leking <geoffreyr.leting@state.nm.us>
Date: Monday, April 7, 2014 11:29 AM
To: Cliff Brunson <cbrunson@bbcinternational.com>
Cc: Bradley Blevins <bradley.blevins@chevron.com>, Ken Swinney <kswinney@bbcinternational.com>, Jennifer Gilkey <jgilkey@bbcinternational.com>, Kathy Purvis <kathy@bbcinternational.com>
Subject: RE: Chevron-RR Sims Tank Battery-Remediation Plan

Cliff

My notes indicated excavation of 2' more at SP1 instead of just excavating to 2' of depth. Could you excavate to 2.5' of depth to insure that the approximately 1500 ppm of GRO + DRO is removed at this location? Thank you.

Geoffrey Leking
Environmental Specialist
NMOCD-Hobbs
1625 N. French Drive
Hobbs, NM 88240
Office: (575) 393-6161 Ext. 113
Cell: (575) 399-2990
email: geoffreyr.leting@state.nm.us

From: Cliff P. Brunson [<mailto:cbrunson@bbcinternational.com>]
Sent: Saturday, April 05, 2014 7:45 PM
To: Leking, Geoffrey R, EMNRD
Cc: Bradley Blevins; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject: Chevron-RR Sims Tank Battery-Remediation Plan

Geoff,

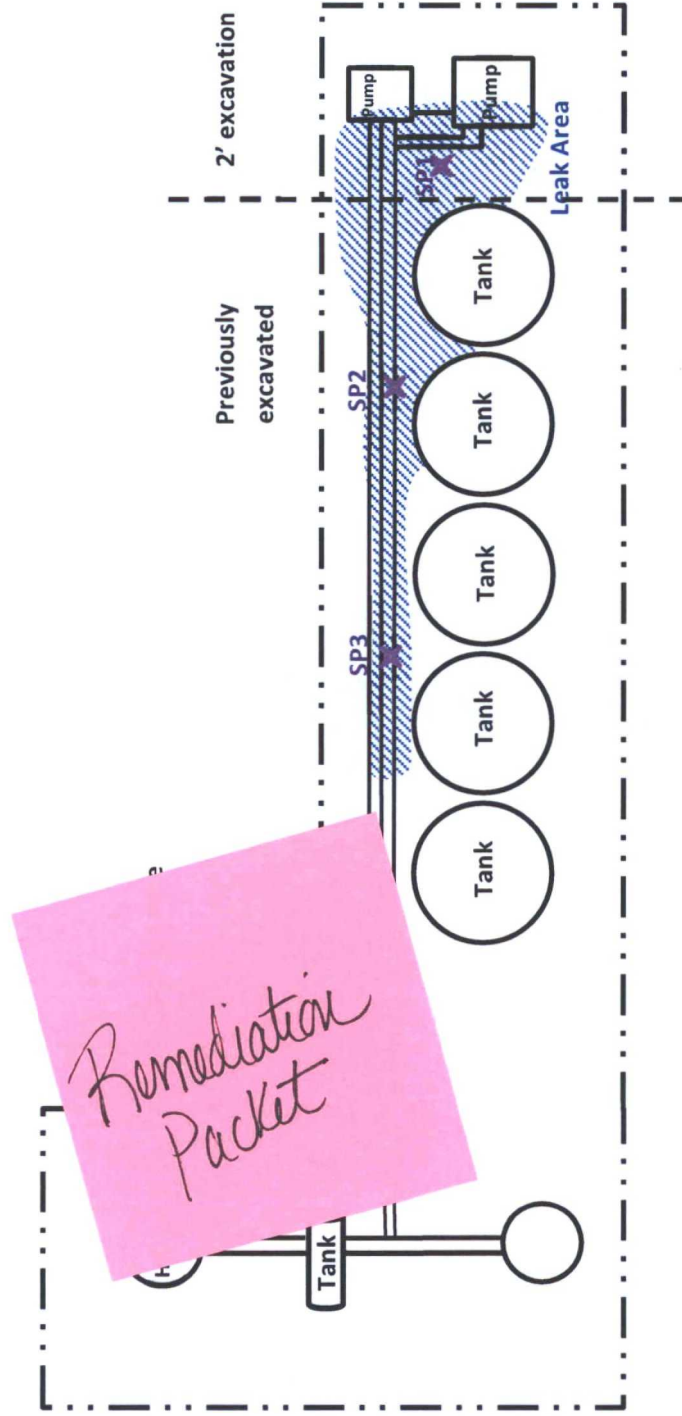
This e-mail is to confirm our conversation on April 2, 2014 about the remediation plan for the above referenced site. I have attached the materials that we used in our discussion. As discussed, Chevron will excavate to a depth of 2 feet in the leak area on the east side in the area of SP1 that is depicted on the attached site diagram. As discussed, the area around SP2 and SP3 has already been excavated to a depth of 1 foot. The site will then be backfilled with clean soil.

If you would please e-mail your concurrence with this remediation plan, it would be greatly appreciated.

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

Chevron
RR Sims Tank Btry



U/L N, Section 4, T23S, R37E
Lea County, NM

BBC International, Inc.			
Chevron			
RR Sims Tank Btry			
Date: 03/06/2014	DRWG by: K. Purvis		
NOT TO SCALE	File: Chevron 2014		

Laboratory Analytical Results Summary
RR Sims Battery

Analyte	Method	Sample Date	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 5'	SP1 @ 7'
			3/3/14	3/3/14	3/3/14	3/3/14	3/3/14
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B						
Toluene	BTEX 8021B		<1.00	<0.100	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		6.95	0.388	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		11.1	0.877	<0.050	<0.050	<0.050
Total BTEX	BTEX 8021B		29.1	2.73	<0.150	<0.150	<0.150
Chloride	SM4500Cl-B		47.2	4	<0.300	<0.300	<0.300
GRO	TPH 8015M		1300	192	<16.0	48	<16.0
DRO	TPH 8015M		4660	1330	13.9	<10.0	<10.0
						172	184

Analyte	Method	Sample Date	SP2 @ 1'	SP2 @ 3'	SP2 @ 4'
			3/3/14	3/3/14	3/3/14
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		64.1	<10.0	<10.0

Analyte	Method	Sample Date	SP3 @ 1'	SP3 @ 2'	SP3 @ 4'	SP3 @ 6'	SP3 @ 8'
			3/3/14	3/3/14	3/3/14	3/3/14	3/3/14
			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		<16.0	<16.0	<16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		14.8	72.7	42.5	132	26.5

- All Databases



Groundwater Plot

Chevron RR Sims Tank Battery

County
Lea

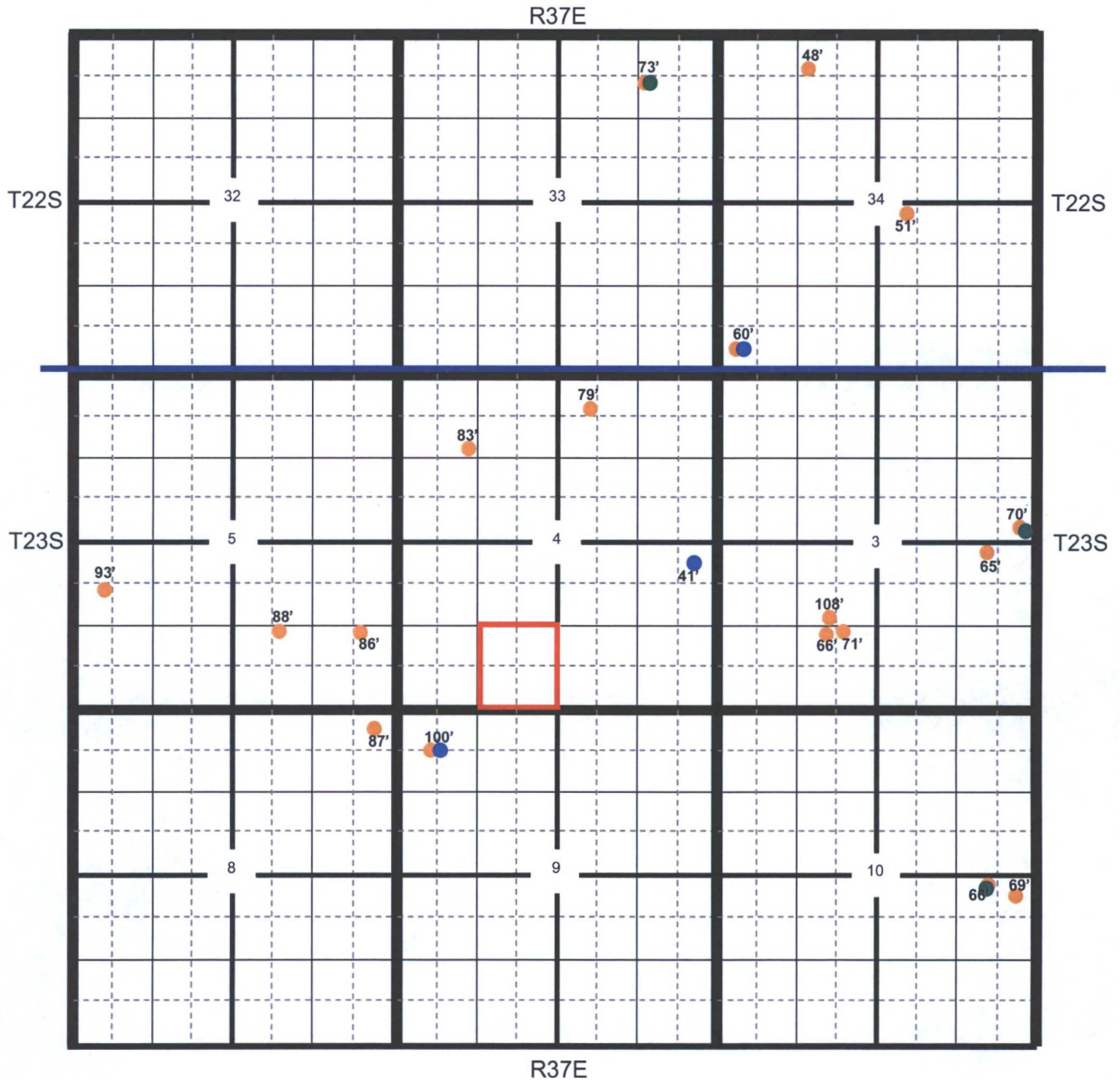
Unit Letter
N

Section
4

Township
23S

Range
37E

Trend Map 75'-100'



March 13, 2014

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: R R SIMS BATTERY 1-28-14

Enclosed are the results of analyses for samples received by the laboratory on 03/06/14 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 1' (H400700-01)

BTX 8260B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	6.95	1.00	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	11.1	1.00	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	29.1	3.00	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	47.2	6.00	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.6 % 61.3-142
Surrogate: Toluene-d8 105 % 71.3-129
Surrogate: 4-Bromofluorobenzene 144 % 65.7-141

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1300	50.0	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	4660	50.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 139 % 65.2-140
Surrogate: 1-Chlorooctadecane 174 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 2' (H400700-02)

BTX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	0.388	0.100	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	0.877	0.100	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	2.73	0.300	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	4.00	0.600	03/12/2014	ND					

Surrogate: Dibromofluoromethane 94.1 % 61.3-142

Surrogate: Toluene-d8 107 % 71.3-129

Surrogate: 4-Bromofluorobenzene 184 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	192	10.0	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	1330	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 142 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 1 @ 3' (H400700-03)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 99.5 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 121 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	13.9	10.0	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	132	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 5' (H400700-04)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEx	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.5 % 61.3-142

Surrogate: Toluene-d8 98.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 111 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/10/2014	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	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	172	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 03/06/2014
 Reported: 03/13/2014
 Project Name: R R SIMS BATTERY 1-28-14
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/03/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 @ 7' (H400700-05)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 94.0 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 108 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	184	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 110 % 65.2-140

Surrogate: 1-Chlorooctadecane 119 % 63.6-154

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Analytical Results For:

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

Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 1' (H400700-06)

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 95.8 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 101 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/10/2014	ND	207	103	200	1.16	
DRO >C10-C28	64.1	10.0	03/10/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 109 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 3' (H400700-07)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 97.0 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 103 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	<10.0	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 2 @ 4' (H400700-08)

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTX	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 97.3 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 100 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	<10.0	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 106 % 63.6-154

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Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 1' (H400700-09)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEx	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 98.7 % 61.3-142

Surrogate: Toluene-d8 105 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/10/2014	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	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	14.8	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 104 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 2' (H400700-10)

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69	
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43	
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19	
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84	
Total BTEx	<0.300	0.300	03/12/2014	ND					

Surrogate: Dibromofluoromethane 96.9 % 61.3-142

Surrogate: Toluene-d8 102 % 71.3-129

Surrogate: 4-Bromofluorobenzene 109 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	72.7	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 106 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Fax To: (575) 397-0397

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 4' (H400700-11)

BTX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69		
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43		
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19		
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84		
Total BTX	<0.300	0.300	03/12/2014	ND						

Surrogate: Dibromofluoromethane 94.7 % 61.3-142

Surrogate: Toluene-d8 104 % 71.3-129

Surrogate: 4-Bromofluorobenzene 110 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16	
DRO >C10-C28	42.5	10.0	03/11/2014	ND	198	98.9	200	2.67	

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 105 % 63.6-154

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Fax To: (575) 397-0397

Received: 03/06/2014
Reported: 03/13/2014
Project Name: R R SIMS BATTERY 1-28-14
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/03/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SP 3 @ 6' (H400700-12)

BTEX 8260B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69		
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43		
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19		
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84		
Total BTEX	<0.300	0.300	03/12/2014	ND						

Surrogate: Dibromofluoromethane 96.2 % 61.3-142
Surrogate: Toluene-d8 102 % 71.3-129
Surrogate: 4-Bromofluorobenzene 114 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16		
DRO >C10-C28	132	10.0	03/11/2014	ND	198	98.9	200	2.67		

Surrogate: 1-Chlorooctane 104 % 65.2-140
Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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Received:	03/06/2014	Sampling Date:	03/03/2014
Reported:	03/13/2014	Sampling Type:	Soil
Project Name:	R R SIMS BATTERY 1-28-14	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 8' (H400700-13)

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2014	ND	0.428	107	0.400	3.69		
Toluene*	<0.050	0.050	03/12/2014	ND	0.419	105	0.400	1.43		
Ethylbenzene*	<0.050	0.050	03/12/2014	ND	0.430	108	0.400	5.19		
Total Xylenes*	<0.150	0.150	03/12/2014	ND	1.25	104	1.20	1.84		
Total BTX	<0.300	0.300	03/12/2014	ND						

Surrogate: Dibromofluoromethane 98.0 % 61.3-142

Surrogate: Toluene-d8 101 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/11/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/11/2014	ND	207	103	200	1.16		
DRO >C10-C28	26.5	10.0	03/11/2014	ND	198	98.9	200	2.67		

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 63.6-154

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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