

September 11, 2015

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: MARTHA CREEK #1

Enclosed are the results of analyses for samples received by the laboratory on 09/08/15 8:10.

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/ga/lab accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celeg D. Keine

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



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

Fax To:

(575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1 NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 3' (H502356-01)

BTEX 8021B

ma/k

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	<0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	0.235	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	1.09	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	1.32	0.300	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	6 85.6-13	7			7/			
TPH 8015M	mg/l	kg .	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	102	10.0	09/08/2015	, ND	175	87.6	200	1.96	
DRO >C10-C28	4620	10.0	09/08/2015	ND	188	93.8	200	0.952	

Surrogate: 1-Chlorooctane

98.3 %

47.2-157

Surrogate: 1-Chlorooctadecane

130 %

52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardnal's lability and client's exclusive remedy for any client ansage, whether based in contract or tord, 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 waited unless made in writing and received by Cardinal within thirty. (39) 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 included by client, its subsidiants, 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.

Celeg & Frence



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

Fax To: (575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1

Project Number: Project Location: NONE GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 4' (H502356-02)

BTEX 8021B	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	0.270	0.100	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	0.598	0.100	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	7.56	0.300	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	8.43	0.600	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	98.9	% 85.6-13	7		****************				
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	205	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	1630	10.0	09/08/2015	ND	188	93.8	200	0.952	

Surrogate: 1-Chlorooctadecane 98.2 % 47.2-157
Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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 cort, 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 warred 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 claimages, including, without limitation, business interruptions, loss of use, or loss of profits incurred 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 writen approval of Cardinal Liaboratories.

aleg there



BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To:

(575) 397-0397

Received:

09/08/2015

09/11/2015

Sampling Date:

09/01/2015

Reported:

Sampling Type:

Soil

Project Name:

MARTHA CREEK #1

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 5' (H502356-03)

BTEX 8021B	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	0.075	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	0.658	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	0.691	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	1.42	0.300	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	98.9	% 85.6-13	7						
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	50.1	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	798	10.0	09/08/2015	ND	188	93.8	200	0.952	
Surrogate: 1-Chlorooctane	84.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	90.95	% 52.1-170	5						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Lability and Damages. Cardnal's liability and client's exclusive remetly for any claim ansing, whether based in contract or cort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoerier shall be deemed valued 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 subsidiances, 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 Liaboratories.

Celeg I trans



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

Fax To:

(575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1 @ 6' (H502356-04)

BTEX 8021B	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	<0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	< 0.050	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	< 0.150	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	<0.300	0.300	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 85.6-13	7		-		***************************************		
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	24.2	10.0	09/08/2015	ND	188	93.8	200	0.952	
Surrogate: 1-Chlorooctane	69.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	81.13	52.1-176	6						

Sample ID: SP 2 @ 5' (H502356-05)

Chloride, SM4500CI-B mg/kg			Analyze	d By: AP		W State of the West, constitution and a second property of the			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/09/2015	ND	416	104	400	3.92	

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 whatosever shall be deemed waved 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 subsidiances, 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.

Celeg There-



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

Fax To: (575) 397-0397

Received: Reported: 09/08/2015

09/11/2015

Project Name:

MARTHA CREEK #1

Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 3 @ 4' (H502356-06)

BTEX 8021B	mg/	kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	<0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	<0.050	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	< 0.150	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	<0.300	0.300	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	105 %	6 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/09/2015	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	37.7	10.0	09/08/2015	ND	188	93.8	200	0.952	
Surrogate: 1-Chlorooctane	68.6 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	77.8 %	52.1-176	í						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim ansing, 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 wared unless made in wrong and received by Cardinal within thirty (20) days after completion of the applicable service. In no event shall Cardinal be labely for incidental or consequential damages, including, without almination, business interruptions, loss of use, or loss of profits incurred by client, its subsidiants, a slifiables or successors ansing 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.

Celeg Litreene



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

Fax To:

(575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1 NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 4 @ 3' (H502356-07)

BTEX 8021B	mg/	'kg	Analyz	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	< 0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	<0.050	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	<0.150	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	<0.300	0.300	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	104%	6 85.6-13	7						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/09/2015	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	30.4	10.0	09/08/2015	ND	188	93.8	200	0.952	
Surrogate: 1-Chlorooctane	70.7 %	6 47.2-157	•						
Surrogate: 1-Chlorooctadecane	78.4 %	52.1-176							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's endusive remedy for any claim analog, 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 whatevers shall be deemed waved 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 diamages, including, without limitation, business interruptions, loss of use, or loss of prints incurred by client, its subsidiances affaithed in the performance of the services hereunder by Cardinal, regardless of whether such claim is 338464 upon any of the above stated respons or otherwise. Results either only to the samples identified above. This report that not be reproducted except in full wom written approval of Cardinal badevatories.

Celeg Litrens ..



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

Fax To:

To: (575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1 NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 5 @ 3' (H502356-08)

3TE	EΧ	80	2	1	В	

mg/kg	/kg
-------	-----

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.100	0.100	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	< 0.100	0.100	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	0.439	0.100	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	2.60	0.300	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	3.04	0.600	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	136 %	% 85.6-13	7				y an da ana ana ana ana ana ana ana ana an		
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	182	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	5420	10.0	09/08/2015	ND	188	93.8	200	0.952	
Surrogate: 1-Chlorooctane	111 %	6 47.2-15	7	organistical afficiency and single-					
Surrogate: 1-Chlorooctadecane									

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardnalis liability and client's exclusive remoty 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 neglegence and any other cause whatoever shall be deemed waved unless made in writing and received by Cadinal within thirty (30) days after completion of the applicable service. In no event shall Cardnal be liable for incidental or consequential damages, including, without himitation, business interruptions, loss of use, or loss of profits incurred by clent, its subsidiance, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results risks only to the samples identified above. This report shall not be reproduced except in full with writen approval of Cardinal Liaberstones.

Celey L. Keene



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

Fax To: (575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1 NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 5 @ 4' (H502356-09)

BTEX 8021B

mg/kg

Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.100	0.100	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	<0.100	0.100	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	0.111	0.100	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	1.47	0.300	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	1.58	0.600	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113 9	% 85.6-13	7						
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	158	10.0	09/08/2015	ND	175	87.6	200	1.96	
	1200	10.0	09/08/2015	ND	188	93.8	200	0.952	

Surrogate: 1-Chlorooctane 92.6% 47.2-157
Surrogate: 1-Chlorooctadecane 92.0% 52.1-176

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remoty for any claim ansurg, 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 theirty (39) 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 subsidianes, affiliates or successors anxing 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 Liaboratories.

Celeg I trune



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

Fax To:

(575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1

Project Number: Project Location:

NOT GIVEN

NONE GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 5 @ 5' (H502356-10)

BTEX 8021B	mg	/kg	Analyz	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	<0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	0.435	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	0.465	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	0.900	0.300	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	96.0	% 85.6-13	7			***************************************			
TPH 8015M	mg/	kg	Analyze	d By: CK			×		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	29.8	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	574	10.0	09/08/2015	ND	188	93.8	200	0.952	
Surrogate: 1-Chlorooctane	85.49	% 47.2-15	7	***************************************					***************************************
Surrogate: 1-Chlorooctadecane	1049	6 52.1-170	5						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardnal's liability and client's exclusive remedy for any claim ansing, 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 whatosever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal pe 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 Laborationes.

Celeg I treens -



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

Fax To:

(575) 397-0397

Received:

09/08/2015

Reported:

09/11/2015

Project Name:

MARTHA CREEK #1 NONE GIVEN

Project Number: Project Location:

NOT GIVEN

Sampling Date:

09/01/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 5 @ 6' (H502356-11)

BTEX 8021B	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/09/2015	ND	1.95	97.6	2.00	0.0323	
Toluene*	< 0.050	0.050	09/09/2015	ND	1.82	91.0	2.00	0.435	
Ethylbenzene*	<0.050	0.050	09/09/2015	ND	1.85	92.6	2.00	0.594	
Total Xylenes*	< 0.150	0.150	09/09/2015	ND	5.95	99.2	6.00	0.321	
Total BTEX	<0.300	0.300	09/09/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	% 85.6-13	7				A CONTRACTOR OF THE CONTRACTOR		
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/08/2015	ND	175	87.6	200	1.96	
DRO >C10-C28	43.1	10.0	09/08/2015	ND	188	93.8	200	0.952	
Surrogate: 1-Chlorooctane	71.89	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	84.79	6 52.1-17	6						

Cardinal Laboratories *=Accredited Analyte

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

Celleg Intrans.



Notes and Definitions

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

PLEASE NOTE: Labelity and Damages. Cardnal's labelity and clients exclusive remedy for any cleim ensing, whether based in contract or cort, 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 waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be label for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, 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 Laboratones.

Cellen to Frence

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476 Company Name: BBC International, Inc.

Project Manager: Cliff Bangarian Inc.	BILLTO	30	ANALYSIS REDILECT
Address: P.O. Roy 805	P.O. #: *		
	Company:		
State: NM	Zip: 88241 Attn:	Jun High	
Fax #:	5/5-397-0397 Address:	ξ.	
Project #: Project Owner	2000		
Project Name: MARTHA CREEK	`		
Project Location:	th:	And the second s	
Sampler Name: Ox Ch Ch			
FOR LAB USE DAY Y	Fax#:	27	
and old Diff.	MATRIX PRESERV	SAMPLING	
Lab I.D. Sample I.D.	ASE:	PH TE HLC	
H507356	# GONT GROUN WASTE SOIL DIL SLUDGI OTHER ACID/BA CE / GO OTHER	7 5 6	
2 2616 2	2 / / /	=	
		9-010 1052 /	
	1 1 9	01.67 1122 1	
2000	2 0	0.01702 / /	
1 93	8	0121210	
18. 8 505 7		1 1 50 10.10.	and the second s
8 30563		Dia 145 / / /	
1,40		0.0 11 0.0	
(D) (e) 5	9.0.	DIV 1911	and the second s
PLEASE NOTE: Lability and Damages, Cardina's liability and clearing exclusive memory for any claim altering whether based in contract or for, shall be lighted to the annual claid by the clear for the	y claim arising whether based in contract or lost, shall be limited to the	Y O O O O O O O O O O O O O O O O O O O	
serios. In no event shall Cutdinal be labele for hospital or cluster withsteeners shall be deeringd valved unless made in writing and received by Cardinals within 30 days also consistent of the applicable additional states of the serious states of the applicable o	ermed walved unless made in writing and received by Cardinas within 3 without limitation, business interruptions, loss of use, or loss of profits in failural received team of which are made in the loss of profits in failural received team.	Thouse peaks by the category by the applicable after the applicable armed by client, his subsidiaries.	
Relinquished By: Date: Date: 8/15	Received By:	t: U Yes U No	Add'I Phone #:
Relinguished By	and Thenson	O No	Add'l Fax#:
Date	Received By:	And the continue of the contin	
Time:			

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

-6.20

Sample Condition Cool Infact Pres Pres

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2226 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Company Name: BBC International Inc	delinative mana in the second interest to the second secon	The state of the s	
roject Manager:	Project Manager: Cliff Brunson	erane dal la reprope de la companya de la compositació de la propertica de la compositació de la compositaci	BO #: B/LL 10	ANALYSIS REQUEST
Address: P.O. Box 805	Box 805		Company	
city: Hobbs	State: NM	Zip: 88241	Affin A Durby	
Phone #: 575-397-6388	Fax#:	5-397	Address:	
Project #:	Project Owner:	OXY	City	
Project Name:	MARTHA CR	XHI		
Project Location:	A 14 THE THE PLANT	YA	State: Zip:	75
Sampler Name:	1 2		Phone #:	
contract Haile.	TOKE HERIO	cronoce	Fax #:	2/2
FOR CAB USE ONLY		MATRIX	PRESERV. SAMPLING	P. C
Lab I.D.	Sample I.D	WATER ATER	-	
H502356		(G)RAB (# CONTA GROUNE WASTEW SOIL DIL	OTHER:	<i>C</i> ,
	3626P.		1. 31.10.5	
ASE NOTE: Liability and Da lyses. All claims: including the	amages. Cardinal's liability and client's exclusive remedy for ose for negligence and any other cause where	arry claim arising whether based in contract o	PLEASE NOTE: Labelity and Damages. Cardina's liabelity and clear's social-libe remedy for any claim artising whether based in contract or text, shall be limited to the amount paid by the client for the	
fice. In no event shall Cardina area or successors arising our lines in the first lines i	service, in no event shall Cardinal be liable for incidental or consequent small of Geoffman white disease and in writing and received by Cardinal within 30 days after completion of the ansistence or successors minim out of or related to the performance of services hereunder by Cardinal white account of the cardinal small of the cardinal services hereunder by Cardinal white services hereunder by Cardinal services the cardinal services hereunder by Cardinal services the cardinal services hereunder by Cardinal services the cardinal services have been accounted by the cardinal services have been accoun	s deemed waived uniess made in writing and r og without limitation, business interruptions, los Cardinal, regardless of whether such claim is	service, in no event shall Cardinal be flashe for holdering where the service of the service shall be flashe for holdering of completion of the applicable affairs on successors miship out of or related to the performance of services hereunder by Cardinal behavior successors miship out of or related to the performance of services hereunder by Cardinal related does of whole successors miship out of or related to the performance of services hereunder by Cardinal regardless of whole such dails is based once have of the above and the successors which is the performance of services hereunder by Cardinal regardless of whole such dails is based once have of the above and the successors which is the performance of services hereunder by Cardinal regardless of whole such dails is based once have of the above and the successors which is the performance of services hereunder by Cardinal regardless of whole such dails is the performance of services hereunder by Cardinal regardless of whole such dails in the performance of services hereunder by Cardinal regardless of whole such dails in the performance of services hereunder by Cardinal regardless of whole such dails in the performance of services hereunder by Cardinal regardless of whole such dails in the performance of services hereunder by Cardinal regardless of the performance of the above and the performance of services hereunder by Cardinal regardless of whole such dails and the performance of	
ilinquisned by:	Date:	Received By:	1	The second second
Origin I	1.00.7 J. 00.7			es D No AddTPhone#:
Relinquished By:	CHANGE Date:	Répeived By:	REMARKS:	
	Time:		Wysia nasa	
Delivered By: (Circle One)	Circle One)	Sample Condition	n CHECKED BY:	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-1476 Sample Condition Cool Intact Tres Tres

-6.20

Sampler - UPS - Bus - Other:

Kathy Purvis

From:

Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us>

Sent:

Wednesday, November 25, 2015 11:18 AM

To:

Cliff Brunson; Shelly Tucker

Cc:

Patterson, Heather, EMNRD; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken Swinney;

Jennifer Gilkey; Kathy Purvis

Subject:

RE: OXY Martha Creek Gas Com Battery - Remediation Plan

RE: OXY USA * Martha Creek Gas Com Btry * 30-015-10323

2RP-3042 * Date of release: 5/26/2015

Cliff,

Your proposal for remediation of the above referenced release is approved. Please advise if proposed excavation depths are not achieved. OCD notes that BLM has also approved this proposal.

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.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Sunday, November 22, 2015 6:05 PM To: Bratcher, Mike, EMNRD; Shelly Tucker

Cc: Patterson, Heather, EMNRD; Dusty Wilson; Jennifer Duarte@oxy.com; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: OXY Martha Creek Gas Com Battery - Remediation Plan

Mike and Shelly,

I have attached the remediation materials that we used in our discussions about the remediation plan for the Oxy Martha Creek Gas Com Battery. Both of you have now verbally agreed to this plan as depicted on the site diagram.

If you would please reply via email with your approval and concurrence of this plan, it would be greatly appreciated. If you have any questions, please let me know.

Thanks, Cliff

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

Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited.

No virus found in this message. Checked by AVG - www.avg.com

Version: 2015.0.6176 / Virus Database: 4460/11063 - Release Date: 11/25/15

Kathy Purvis

From:

Tucker, Shelly <stucker@blm.gov>

Sent:

Monday, November 23, 2015 10:20 AM

To:

Cliff Brunson

Cc:

Mike Bratcher; Heather Patterson; Dusty Wilson; Jennifer_Duarte@oxy.com; Ken

Swinney; Jennifer Gilkey; Kathy Purvis

Subject:

Re: OXY Martha Creek Gas Com Battery - Remediation Plan

BLM accepts/approves this work plan as written.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist Bureau of Land Management

620 E. Greene St Carlsbad, NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular

stucker@blm.gov



The <u>BLM acceptance/approval does not</u> relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

<u>Confidentiality Warning:</u> This message along with any attachments are intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

On Mon, Nov 23, 2015 at 10:19 AM, Tucker, Shelly <<u>stucker@blm.gov</u>> wrote: Is there a *C*-141 for this site?

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly G Tucker

Environmental Protection Specialist Bureau of Land Management

620 E. Greene St Carlsbad, NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular

stucker@blm.gov



The <u>BLM acceptance/approval does not</u> relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

<u>Confidentiality Warning:</u> This message along with any attachments are intended only for use of the individual or entity to which it is addressed and may contain information that is privileged or confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

On Sun, Nov 22, 2015 at 6:05 PM, Cliff Brunson < cbrunson@bbcinternational.com > wrote:

Mike and Shelly,

I have attached the remediation materials that we used in our discussions about the remediation plan for the Oxy Martha Creek Gas Com Battery. Both of you have now verbally agreed to this plan as depicted on the site diagram.

If you would please reply via email with your approval and concurrence of this plan, it would be greatly appreciated. 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 ************* Confidentiality Notice: This electronic transmission (and any attached documents) is intended only for the person(s) to whom it is addressed and may contain information that is privileged, confidential, or otherwise protected from disclosure. If you have received this transmission in error, please immediately notify the sender by e-mail or by telephone call to (575) 397-6388 for handling instructions. Any disclosure or distribution of the contents of this transmission by anyone other than the named recipient(s) is strictly prohibited. **************

No virus found in this message. Checked by AVG - <u>www.avg.com</u>

Version: 2015.0.6176 / Virus Database: 4460/11052 - Release Date: 11/23/15

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2015.0.6176 / Virus Database: 4460/11047 - Release Date: 11/22/15





