Bratcher, Mike, EMNRD

From:

Cliff P. Brunson [cbrunson@bbcinternational.com]

Sent:

Tuesday, May 03, 2011 3:53 PM

To:

Bratcher, Mike, EMNRD

Cc:

Bradley Blevins; Ken Swinney; Jennifer Gilkey FW: Chesapeake Ponderosa 20 State #1

Subject: Attachments:

Chesapeake Ponderosa 20 State #1.pdf; Final C-141.pdf

Mike,

Please find attached the final C-141 for the above referenced Chesapeake site. As you can see by the e-mail below, this was approved by you and the diagram and lab data are attached again for your files. If you have any questions, please let me know.

Thanks, Cliff

Cliff Brunson, CEI, CRS
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BBC International, Inc.
World-Wide Environmental Specialists
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From: Cliff Brunson < cbrunson@bbcinternational.com>

Date: Tue, 29 Mar 2011 20:29:05 -0600

To: Mike Bratcher < Mike. Bratcher@state.nm.us>

Cc: Bradley Blevins < bradley.blevins@chk.com >, Ken Swinney < kswinney@bbcinternational.com >, Jennifer Gilkey

<jgilkey@bbcinternational.com>

Subject: Chesapeake Ponderosa 20 State #1

Mike,

This e-mail is to confirm our conversation of this morning concerning Chesapeake's release at the Ponderosa 20 State #1. Also, I have attached the site diagram and lab data we reviewed. As we discussed and agreed, Chesapeake will excavated the impacted soil inside the battery to a depth of 3 feet. Any excavation deeper than 3 feet would be a serious concern for safety and the integrity of the tanks. Per our discussion, the excavated area will be left open to allow for further aeration and degradation of the condensate. The site will then be backfilled to grade. All excavated soils will be disposed of at an OCD-approved disposal facility.

If you would please reply back via e-mail your concurrence with this plan, it would be greatly appreciated. If you have any questions, please do not hesitate to contact me.

CHESAPEAKE / PONDEROSA 20 SPATE NO. 1 3/7/11 x/-593-104. 19442" 104.19445 104. 19437 104, 19437° 104. 19432.



March 17, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PONDEROSA 20 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 03/10/11 11:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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

Celent



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

(505) 397-0397 Fax To:

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 1 @ 3' (H100466-01)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ.	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/14/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	67.1	5.00	03/14/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	31.6	5.00	03/14/2011	ND	2.14	107	2.00	3.32	
Total Xylenes*	307	15.0	03/14/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	80.69	6 70-130							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2011	ND	416	104	400	0.00	
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	9410	10.0	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	3890	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	83.8 9	6 70-130							
Surrogate: 1-Chlorooctadecane	111 %	6 70-130							

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Fax To: (505) 397-0397

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

PONDEROSA 20 STATE #1 NONE GIVEN

Sample Received By:

Jodi Henson

Project Number: Project Location:

LOCO HILLS, NM

Sample ID: SB 1 @ 5' (H100466-02)

BTEX 8021B	mg	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/14/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	75.6	5.00	03/14/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	34,1	5.00	03/14/2011	ND	2.14	107	2.00	3.32	
Total Xylenes*	350	15.0	03/14/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	80.6	% 70-130							
ТРН 8015М	mg,	/kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	8860	10.0	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	4580	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	97.9	% 70-130			·~·············				
Surrogate: 1-Chlorooctadecane	91.2	% 70-130							

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Fax To:

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Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 1 @ 10' (H100466-03)

BTEX 80218	mg/	kg	Analyze	d By: CMS				, ,,,,	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	0.868	0.050	03/11/2011	ND .	2.07	103	2.00	3.37	
Ethylbenzene*	0.474	0.050	03/11/2011	ND	2.14	107	2.00	3.32	
Total Xylenes*	4.68	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	93.69	% 70-130)	•					
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	66.7	10.0	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	334	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	130 %	6 70-130							
Surrogate: 1-Chlorooctadecane	118 %	6 70-130	i						

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· Cliff Brunson

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Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 1 @ 15 (H100466-04)

BTEX 8021B	mg,	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	0.107	0.050	03/11/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	0.068	0.050	03/11/2011	ИD	2.14	107	2.00	3.32	
Total Xylenes*	0.664	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	99.1	% 70-130							
TPH 8015M	nıg	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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	49.8	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: I-Chlorooctane	108	% 70-130							•
Surrogate: 1-Chlorooctadecane	103	% 70-130	1						

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any other cause whitebover shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no cront shall Cardinal be liable for incidental or consequential diamages, 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 blacked upon any of the above stated reasons or otherwise. Results relate only to the samples incentities above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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(505) 397-0397 Fax To:

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Sample Received By:

Project Number: Project Location: NONE GIVEN

LOCO HILLS, NM

Jodi Henson

Sample ID: SB 1 @ 20' (H100466-05)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	03/11/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	<0.050	0.050	03/11/2011	ND	2.14	107	2.00	3.32	
Total Xylenes*	0.335	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 70-130							
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	36.5	10.0	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	315	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: I-Chlorooctane	126 9	% 70-130	1						
Surrogate: 1-Chlorooctadecane	115 9	% 70-130	•						

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

Fax To: (505) 397-0397

Received:

03/10/2011

. .

03/17/2011

Project Name: Project Number:

Reported:

PONDEROSA 20 STATE #1 NONE GIVEN

Project Location:

LOCO HILLS, NM

Sampling Date:

g Date: 03/09/2011

Sampling Type: Sampling Condition: Soil Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB 1 @ 25' (H100466-06)

BTEX 8021B mg/kg Analyzed By: CMS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Benzene* <0.050 0.050 03/11/2011 99.0 ND 1.98 2.00 2.94 Toluene* < 0.050 0.050 03/11/2011 ND 2.07 103 2.00 3.37 Ethylbenzene* < 0.050 0.050 03/11/2011 ND 2.14 107 2.00 3.32 Total Xylenes* <0.150 0.150 03/11/2011 ND 6.39 106 6.00 3,78 Surrogate: 4-Bromofluorobenzene (PIL 97.3 % 70-130

TPH 8015M	mg,	/kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	66.2	10,0	03/12/2011	ND	198	99.0	200	1.03	

Surrogate: 1-Chlorooctane 115 % 70-130
Surrogate: 1-Chlorooctadecane 109 % 70-130

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Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 1 @ 30' (H100466-07)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2011	ND .	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	03/11/2011	NĐ	2.07	103	2.00	3.37	
Ethylbenzene*	<0.050	0.050	03/11/2011	ND	2.14	107	2.00	3.32	
Total Xylenes*	<0.150	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	99.2	% 70-130					,	<u> </u>	
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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	13.2	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	118 9	% 70-130				***************************************			
Surrogate: I-Chlorooctadecane	116	% 70-130							

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BBC International, Inc.

Cliff Brunson

P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 1 @ 35' (H100466-08)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	03/11/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	<0.050	0.050	03/11/2011	ND	2.14	107	2.00	3.32	
Total Xylenes*	<0.150	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	99.0	% 70-130					- V-1		
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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	37.1	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: I-Chlorooctane	127 9	6 70-130	ı	9,000					
Surrogate: 1-Chlorooctadecane	124 9	6 70-136							

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BBC International, Inc. Cliff Brunson

P.O. Box 805

Hobbs NM, 88241

Fax To:

Received:

03/10/2011

(505) 397-0397

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 2 @ 3' (H100466-09)

BTEX 80218	mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	03/11/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	<0.050	0.050	03/11/2011	ND	2.14	107	2.00	3,32	
Total Xylenes*	<0.150	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	98.9 9	% 70-130	•		٠		(A)		
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2011	ND	416	104	400	0.00	
ТРН 8015М	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	03/12/2011	ND	202	101	200	2,43	
DRO >C10-C28	<10.0	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	113 %	6 70-130				. ,		· · · · · ·	
Surrogate: I-Chlorooctadecane	1129	6 70-130						•	

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Fax To:

(505) 397-0397

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 2 @ 5' (H100466-10)

BTEX 8021B	mg/	'kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	< 0.050	0.050	03/11/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	<0.050	0.050	03/11/2011	ИD	2.14	107	2.00	3.32	
Total Xylenes*	<0.150	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromoflworobenzene (PIL	98.7	% 70-130		**************************************					
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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	<10.0	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	130 9	% 70-130							
Surrogate: 1-Chlorooctadecane	124 9	% 70-130					•		

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Fax To: (505) 397-0397

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 2 @ 10' (H100466-11)

BTEX 8021B	mg/kg		Analyzed By: CMS					_	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	03/11/2011	ND	2.07	103	2.00	3.37	
Ethylbenzene*	<0.050	0.050	03/11/2011	ND	2.14	107	2.00	3.32	
Total Xylenes*	<0.150	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	99.99	6 70-130							
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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	19.6	10.0	03/12/2011	ND	198	99.0	200	1.03	•
Surrogate: 1-Chlorooctane	155 %	6 70-130							
Surrogate: 1-Chlorooctadecane	149 %	6 70-130							

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Reported:

03/17/2011

Sampling Type:

Project Name:

Soil

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN LOCO HILLS, NM Sample Received By:

Jodi Henson

Sample ID: SB 2 @ 15' (H100466-12)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Ánalyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0,050	03/11/2011	ND	1.98	99.0	2.00	2.94	
Toluene*	<0.050	0.050	03/11/2011	ND	2.07	103	2,00	3.37	
Ethylbenzene*	< 0.050	0.050	03/11/2011	ND	2.14	107	2.00	3,32	
Total Xylenes*	<0.150	0.150	03/11/2011	ND	6.39	106	6.00	3.78	
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 70-130							
ТРН 8015М	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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	28.9	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	118 9	% 70-130			**************************************	····			
Surrogate: I-Chlorooctadecane	110 9	% 70-130	ļ						

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Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 3 @ 3' (H100466-13)

BTEX 8021B	mg	/kg	Analyze	d By: CMS		,			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<5.00	5.00	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	57.6	5.00	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	38.0	5.00	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	211	15.0	03/15/2011	ND	6.31	105	6.00	7.00	
Surragate: 4-Bromofluorobenzene (PIL	88.9	% 70-130							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzęd	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2011	ND	416	104	400	0.00	
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	5460	10.0	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	2780	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: I-Chlorooctane	117	% 70-130)						
Surrogate: 1-Chlorooctadecane	111	% 70-130)						

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Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location:

LOCO HILLS, NM

Sample Received By:

Jodi Henson

Sample ID: SB 3 @ 5' (H100466-14)

BTEX 8021B	mg,	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	16.2	1.00	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	11.5	1.00	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	110	3.00	03/15/2011	NĐ	6.31	105	6.00	7.00	
Swrogate: 4-Bromofluorobenzene (PIL	82.1	% 70-130)				····		
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	2970	10.0	03/12/2011	ND ·	202	101	200	2.43	
DRO >C10-C28	2260	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	124 5	% 70-130)				•		
Surrogate: 1-Chlorooctadecane	116	% 70-130							

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In no event shall dains, addeding those interruptions, and the liable for indicating these interruptions. All claims, addeding those interruptions, and the services interruption of the services interruption.

In no event shall be decimed to the performance of the services hereunder by Cardinal Laboratories.

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Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 3 @ 10' (H100466-15)

BTEX 8021B	mg/	′kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/15/2011	ND	6.31	105	6.00	7.00	
Surrogate: 4-Bromofluorobenzene (PIL	97.6	% 70-130)	***************************************					
TPH 8015M	mg,	^r 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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	70.3	10.0	03/12/2011	ND	198	99.0	200	1.03	
Swrogate: I-Chlorooctane	113	% 70-130)					-,	
Surrogate: I-Chlorooctadecane	110	36 70-130	}	•					

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Fax To:

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03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Cool & Intact

Project Number:

NONE GIVEN

Sampling Condition: Sample Received By:

Project Location:

LOCO HILLS, NM

Jodi Henson

Sample ID: SB 3 @ 15' (H100466-16)

BTEX 8021B	mg/	/kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2011	ND	2,03	102	2.00	10.0	
Toluene*	<0.050	0.050	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/15/2011	ND ·	6.31	105	6.00	7.00	
Surrogate: 4-Bromofluorobenzene (PIL	98.7	% 70-130)						
TPH 8015M	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	B\$	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	139	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	142 9	% 70-130)		,—,—,				
Surrogate: 1-Chlorooctadecane	134 9	% 70-130)						

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Celecy D. Keene



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Fax To: (505) 397-0397

Received:

03/10/2011

Sampling Date:

03/09/2011

Reported:

03/17/2011

Sampling Type:

Soil

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By: 1

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 3 @ 20' (H100466-17)

BTEX 8021B	mg/	'kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	0.057	0.050	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/15/2011	ND	2.13	107	2,00	7.35	
Total Xylenes*	0.362	0.150	03/15/2011	ND	6.31	105	6.00	7.00	
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 70-130					*		<u></u>
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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	49.8	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: 1-Chlorooctane	120	% 70-136	1						
Surrogate: 1-Chlorooctadecane	117	% 70-130	1						

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Sampling Type:

Project Name:

PONDEROSA 20 STATE #1

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

LOCO HILLS, NM

Sample ID: SB 3 @ 25' (H100466-18)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	0.060	0.050	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	0.454	0.150	03/15/2011	ND	6.31	105	6.00	7.00	
Surrogate: 4-Bromofluorobenzene (PIL	106 %	6 70-130							
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	03/12/2011	ND	202	101	200	2.43	
DRO >C10-C28	155	10.0	03/12/2011	ND	198	99.0	200	1.03	
Surrogate: I-Chlorooctane	125 %	6 70-130							, , , , , , , , , , , , , , , , , , , ,
Surrogate: 1-Chlorooctadecane	118 %	6 70-130							

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Fax To: (505) 397-0397

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Reported: Project Name:

Received:

03/10/2011

03/17/2011

PONDEROSA 20 STATE #1

Project Number: Project Location: NONE GIVEN LOÇO HILLS, NM Sampling Date:

03/09/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SB 3 2 30' (H100466-19)

BTEX 8021B	mg/	kg	Analyze	d By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2011	ND	2.03	102	2.00	10.0	
Toluene*	0.072	0.050	03/15/2011	ND	2.09	105	2.00	9.15	
Ethylbenzene*	<0.050	0.050	03/15/2011	ND	2.13	107	2.00	7.35	
Total Xylenes*	0.257	0.150	03/15/2011	, ND	6.31	105	6.00	7.00	
Surrogate: 4-Bromofluorobenzene (PIL	98.0	% 70-130	1				**************************************	, <u>, , , , , , , , , , , , , , , , , , ,</u>	
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	03/12/2011	ND	223	112	200	1.12	
DRO >C10-C28	25.3	10.0	03/12/2011	ND	223	111	200	0.539	
Surrogate: I-Chlorooctane	122 5	% 70-130)						
Surrogate: 1-Chlorooctadecane	115 9	% 70-130)						

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*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remedy for any claim enising, whether based in contract or text, shall be limited to the amount pald by client for analyses. All claims, including those for registrence and any other cause whateveer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no overst shall Cardinal be lable for incidental or consequential damages, uncluding, without immotion, business interruptions, loss of use, or loss of poofs neumed by client, its subsidiances, affiliates or successors among out of or netweet to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of this atomic scalar diseasons or otherwise. Results related to the performance or otherwise. Results related to the performance of the services hereunder by Cardinal Laboratories.

Celey & Kruna



2-01

Notes and Definitions

2-01	Surrogates above historical limits.
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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Celeg & Keens

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (506) 393-2326 FAX (506) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	BBC International, Inc.							: 11	ini.	Æ	3/4	L TO	uu maala					,	ANA	LYSI	S R	EQ	UES	T	 	
Project Manage	r: Cliff Brunson							P.C). #:	. À	1	ì									T	Т				
Address; P.O.	Box 805							Co	mpa	any:	<					ļ							1			
city: Hobbs	State: NM	Zip:	8	824	11			Att	n;		_	1 (kQ	F	·										1		
Phone #: 575-	397-6388 Fax #: 575	-397	'-03	97				Αd	dre	ss:										ļ						
Project#: N	(S) Project Owner	r: Ch	esa	ipe	ake			Cit	y:											1			l	İ		
Project Name:	Ponderosa 20 State #1								ite:			Zip:		ŀ			ĺ						I]		
Project Location	": Loca Hills, NM							Phone #:			3		1				1				1					
Sampler Name:								Fa	x #:					13			-						ĺ			
FOR LAB USE ONLY		Ι.			MA	TRI	X		PRI	ESER	۲V.	SAMPL	ING	िं			4			•			ļ			
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enalyses. All claims includ	ng litose for negligence and any other cause whatsnever shall be arrived be fiable for incidental or consequental damages, includin	deeme	venive	of Unite	SE MINIS	in with	ing an	diece	lyed b	y Carde	nal w	itmin 30 days alt	er completion of ti	he applica	ьde											
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Page 22 of 23

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Commons Name	(505) 393-2326 FAX (505) 393-247	0													
	BBC International, Inc.				LL TO		,		ANA	LYSIS	RE	JUES.	Γ		
	r: Cliff Brunson			P.O. #:	·			1	ļ			- 1			
Address: P.O.	Box 805			Company:					İ					1	
city: Hobbs	State: NM	Zip: 88	8241	Attn:	\sum_{i}			l							
Phone #: 575-	397-6388 Fax#: 575	-397-03	97	Address:	My -			1			,				
Project#: /✓		; Chesa	ipeake	City:				1	-				ļ	1 !	
Project Name:	Ponderosa 20 State #1			State:	Zip:										
Project Location	n: Loro Hills, N.M.			Phone #:		\exists]						
Sampler Name:	Jeff Ornelas			Fax #:								1	-		
FOR LABIUSE ONLY			MATRIX	PRESERV.	SAMPLING] : - :		J							
Lab I.D.	Sample I.D.	(É)RABOR (C)OMF # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	8 Hdi	BTEX	(hlered							
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PLEASE NOTE: Liability &	nd Damages. Cardinals liabely and chem's exclusive remedy for a	my claim arising	g whether based in contract	or tart, shall be britted	to the amount paid by the client	for the									

PLEASE NOTE: Liability and Damages. Cardinate labelity and clorify exclusive remark for any stem starting whether based in contract or tod, shall be limited to the amount paid by the dawn for the analyses. All claims including those for neptigence and any other cause whatsoever shall be deemed valved under and in waiving and received by Cardinat Winnia Od days after completion of the applicable service. In one exent shall Cardinat be faitle for inclored or consequental damages, including without throughous, business interruptions, loss of use or loss of profits received by the dawn for the applicable.

	of services peremited by cardinal redardness of directies, ency claim is paying those but he apply a lated to	asons of otherwise.			
Relinquished By:	Date: Received By:	Phone Result:	☐ Yes	□ No	Add'i Phone #:
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dampier of page officer.	J. Sr. No No CHAT	<u> </u>			

f Cardinal cannot accept verbal changes, Please fax written changes to 505-393-2476

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