



March 07, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: HENSHAW DEEP UNIT #5

Enclosed are the results of analyses for samples received by the laboratory on 03/02/17 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 @ SURFACE (H700528-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	4.52	1.00	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	8.36	1.00	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	52.6	3.00	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	65.5	6.00	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1480	50.0	03/07/2017	ND	203	102	200	0.950		
DRO >C10-C28	28300	50.0	03/07/2017	ND	204	102	200	4.68		

Surrogate: 1-Chlorooctane 181 % 25.1-158
Surrogate: 1-Chlorooctadecane 298 % 26.8-170

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*=Accredited Analyte

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 1 (H700528-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	0.219	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	2.45	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	2.67	0.300	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 156 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2017	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	73.8	50.0	03/07/2017	ND	203	102	200	0.950	
DRO >C10-C28	1730	50.0	03/07/2017	ND	204	102	200	4.68	

Surrogate: 1-Chlorooctane 105 % 25.1-158

Surrogate: 1-Chlorooctadecane 37.9 % 26.8-170

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 2 (H700528-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93		
Toluene*	<0.050	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71		
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27		
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08		
Total BTEX	<0.300	0.300	03/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/03/2017	ND	432	108	400	3.64		

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	03/07/2017	ND	203	102	200	0.950		
DRO >C10-C28	<10.0	10.0	03/07/2017	ND	204	102	200	4.68		

Surrogate: 1-Chlorooctane 90.2 % 25.1-158

Surrogate: 1-Chlorooctadecane 89.8 % 26.8-170

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP1 @ 3 (H700528-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	<0.050	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	<0.300	0.300	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2017	ND	432	108	400	3.64	

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	03/07/2017	ND	203	102	200	0.950	
DRO >C10-C28	26.0	10.0	03/07/2017	ND	204	102	200	4.68	

Surrogate: 1-Chlorooctane 87.3 % 25.1-158

Surrogate: 1-Chlorooctadecane 88.1 % 26.8-170

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 @ SURFACE (H700528-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	3.43	1.00	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	7.27	1.00	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	48.0	3.00	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	58.7	6.00	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2017	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1400	50.0	03/07/2017	ND	203	102	200	0.950		
DRO >C10-C28	30500	50.0	03/07/2017	ND	204	102	200	4.68		

Surrogate: 1-Chlorooctane 181 % 25.1-158

Surrogate: 1-Chlorooctadecane 313 % 26.8-170

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 1 (H700528-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	<0.050	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	0.463	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	0.463	0.300	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2017	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	38.0	10.0	03/07/2017	ND	203	102	200	0.950	
DRO >C10-C28	1280	10.0	03/07/2017	ND	204	102	200	4.68	

Surrogate: 1-Chlorooctane 110 % 25.1-158

Surrogate: 1-Chlorooctadecane 111 % 26.8-170

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 2 (H700528-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93		
Toluene*	<0.050	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71		
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27		
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08		
Total BTEX	<0.300	0.300	03/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/03/2017	ND	448	112	400	3.51		

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	03/07/2017	ND	203	102	200	0.950		
DRO >C10-C28	<10.0	10.0	03/07/2017	ND	204	102	200	4.68		

Surrogate: 1-Chlorooctane 87.4 % 25.1-158

Surrogate: 1-Chlorooctadecane 86.7 % 26.8-170

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP2 @ 3 (H700528-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	<0.050	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	<0.300	0.300	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/03/2017	ND	448	112	400	3.51	

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	03/03/2017	ND	213	106	200	1.72	
DRO >C10-C28	<10.0	10.0	03/03/2017	ND	225	113	200	2.19	

Surrogate: 1-Chlorooctane 86.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 95.7 % 26.8-170

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Received:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: NORTH (H700528-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93		
Toluene*	<0.050	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71		
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27		
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08		
Total BTEX	<0.300	0.300	03/06/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/03/2017	ND	448	112	400	3.51		

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	03/03/2017	ND	213	106	200	1.72		
DRO >C10-C28	<10.0	10.0	03/03/2017	ND	225	113	200	2.19		

Surrogate: 1-Chlorooctane 76.8 % 25.1-158

Surrogate: 1-Chlorooctadecane 80.7 % 26.8-170

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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:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: EAST (H700528-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	<0.050	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	<0.300	0.300	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/03/2017	ND	448	112	400	3.51	

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	03/03/2017	ND	213	106	200	1.72	
DRO >C10-C28	<10.0	10.0	03/03/2017	ND	225	113	200	2.19	

Surrogate: 1-Chlorooctane 68.6 % 25.1-158

Surrogate: 1-Chlorooctadecane 73.3 % 26.8-170

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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:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: WEST (H700528-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	0.074	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	<0.300	0.300	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2017	ND	448	112	400	3.51	

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	03/03/2017	ND	213	106	200	1.72	
DRO >C10-C28	<10.0	10.0	03/03/2017	ND	225	113	200	2.19	

Surrogate: 1-Chlorooctane 66.9 % 25.1-158

Surrogate: 1-Chlorooctadecane 70.5 % 26.8-170

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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:	03/02/2017	Sampling Date:	02/27/2017
Reported:	03/07/2017	Sampling Type:	Soil
Project Name:	HENSHAW DEEP UNIT #5	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SOUTH (H700528-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2017	ND	1.89	94.4	2.00	2.93	
Toluene*	0.114	0.050	03/06/2017	ND	1.77	88.3	2.00	2.71	
Ethylbenzene*	<0.050	0.050	03/06/2017	ND	1.76	87.8	2.00	3.27	
Total Xylenes*	<0.150	0.150	03/06/2017	ND	5.00	83.3	6.00	3.08	
Total BTEX	<0.300	0.300	03/06/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/03/2017	ND	448	112	400	3.51	

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	03/03/2017	ND	213	106	200	1.72	
DRO >C10-C28	<10.0	10.0	03/03/2017	ND	225	113	200	2.19	

Surrogate: 1-Chlorooctane 80.8 % 25.1-158

Surrogate: 1-Chlorooctadecane 84.7 % 26.8-170

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report





ARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc. P.O. #: _____
 Project Manager: Cliff Brunson Company: _____
 Address: P.O. Box 805 Attn: _____
 City: Hobbs State: NM zip: 88241
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address: _____
 Project #: _____ Project Owner: *Myron* City: _____
 Project Name: *Freshwater Deep Clait #5* State: _____ Zip: _____
 Project Location: _____ Phone #: _____
 Sampler Name: *PL* Fax #: _____
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV	SAMPLING	DATE	TIME	BTEX	TAP	CL
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<i>H1905-28</i>	<i>SP1051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>1</i>	<i>SP1051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>2</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>3</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>4</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>5</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>6</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>7</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>8</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>9</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>10</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>11</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>12</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>13</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>14</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>15</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>16</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>17</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>18</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>19</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>20</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>21</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>22</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>23</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X
<i>24</i>	<i>SP2051R</i>					X	X	X	X	X		<i>10/20</i>	<i>950</i>	X	X	X

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Relinquished By: *[Signature]* Date: *8-2-17* Time: _____ Received By: *[Signature]* Date: *8-2-17* Time: _____
 Relinquished By: *[Signature]* Date: *8-2-17* Time: _____ Received By: *[Signature]* Date: *8-2-17* Time: _____

Delivered By: (Circle One) UPS Bus Other: _____
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Yes No Yes No
 CHECKED BY: *[Signature]* (Initials) *TD*
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: _____

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

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