



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

March 20, 2012

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: FED F BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/19/12 13:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Hungry Horse Environmental
 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

 Received: 03/19/2012
 Reported: 03/20/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/19/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 1 SURFACE (H200675-01)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45	
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52	
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77	
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69	

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/20/2012	ND	400	100	400	7.69	

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	03/19/2012	ND	203	102	200	2.30	
DRO >C10-C28	159	10.0	03/19/2012	ND	212	106	200	30.5	

Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 103 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Hungry Horse Environmental
 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received:	03/19/2012	Sampling Date:	03/19/2012
Reported:	03/20/2012	Sampling Type:	Soil
Project Name:	FED F BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 SURFACE (H200675-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45		
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52		
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77		
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69		

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/20/2012	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/19/2012	ND	203	102	200	2.30		
DRO >C10-C28	14.2	10.0	03/19/2012	ND	212	106	200	30.5		

Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 113 % 57.6-158

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 P.O. Box 1058
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 Fax To: (505) 391-4585

 Received: 03/19/2012
 Reported: 03/20/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/19/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 3 SURFACE (H200675-03)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45		
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52		
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77		
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69		

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/20/2012	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/19/2012	ND	203	102	200	2.30		
DRO >C10-C28	<10.0	10.0	03/19/2012	ND	212	106	200	30.5		

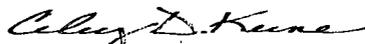
Surrogate: 1-Chlorooctane 86.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 95.2 % 57.6-158

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 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

 Received: 03/19/2012
 Reported: 03/20/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/19/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 4 SURFACE (H200675-04)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45		
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52		
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77		
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69		

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/20/2012	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/19/2012	ND	203	102	200	2.30		
DRO >C10-C28	<10.0	10.0	03/19/2012	ND	212	106	200	30.5		

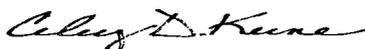
Surrogate: 1-Chlorooctane 104 % 55.5-154

Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

Received:	03/19/2012	Sampling Date:	03/19/2012
Reported:	03/20/2012	Sampling Type:	Soil
Project Name:	FED F BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 5 SURFACE (H200675-05)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45		
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52		
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77		
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69		

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/20/2012	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/19/2012	ND	203	102	200	2.30		
DRO >C10-C28	986	10.0	03/19/2012	ND	212	106	200	30.5		

Surrogate: 1-Chlorooctane 97.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 91.7 % 57.6-158

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 VERNON BLACK
 P.O. Box 1058
 Hobbs NM, 88240
 Fax To: (505) 391-4585

 Received: 03/19/2012
 Reported: 03/20/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/19/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 SURFACE (H200675-06)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2012	ND	2.00	99.8	2.00	2.45		
Toluene*	<0.050	0.050	03/20/2012	ND	2.12	106	2.00	2.52		
Ethylbenzene*	<0.050	0.050	03/20/2012	ND	2.16	108	2.00	2.77		
Total Xylenes*	<0.150	0.150	03/20/2012	ND	6.77	113	6.00	2.69		

Surrogate: 4-Bromofluorobenzene (PII) 113 % 64.4-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	03/20/2012	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/19/2012	ND	203	102	200	2.30		
DRO >C10-C28	13.1	10.0	03/19/2012	ND	212	106	200	30.5		

Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 114 % 57.6-158

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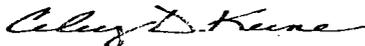
Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance 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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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

Company Name: <u>Henry's Home</u> Project Manager: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: <u>Lisa Emery</u> Project Name: <u>Federal Property</u> Project Location: <u>Edging CE</u> Sampler Name: <u>JMF</u>		BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST																			
FOR LAB USE ONLY Lab I.D. <u>H200075</u> <u>SP1</u> <u>SP2</u> <u>SP3</u> <u>SP4</u> <u>SP5</u> <u>SP6</u> <u>SP7</u>		Sample I.D. <u>Surface</u>		(G)RAB OR (C)OMP. <u>1</u>		# CONTAINERS <u>1</u>		MATRIX WASTEWATER _____ GROUNDWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER _____		PRESERV ICE / COOL _____ ACID/BASE _____ OTHER _____		SAMPLING DATE <u>5/19/12</u> TIME <u>1300</u> <u>FB</u>		<u>Field</u> <u>RTV</u> <u>Chloride</u>									

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Relinquished By: JMF **Date:** 5/19/12 **Time:** 1340
Received By: Wade Henderson **Date:** _____ **Time:** _____

Relinquished By: _____ **Date:** _____ **Time:** _____
Received By: _____ **Date:** _____ **Time:** _____

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

Sample Condition:
 Cool, Intact: 50 Yes No
 Yes No

CHECKED BY: _____ (Initials)
Wade Henderson

REMARKS:
Rush Please

Phone Result: Yes No **Add'l Phone #:** _____
Fax Result: Yes No **Add'l Fax #:** _____

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 #26