

March 14, 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 03/09/12 15:30.

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,



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: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 2 1' BGS (H200619-01)

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	03/12/2012	ND	1.84	92.1	2.00	5.25		
Toluene*	<0.050	0.050	03/12/2012	ND	1.98	99.0	2.00	4.49		
Ethylbenzene*	<0.050	0.050	03/12/2012	ND	2.03	102	2.00	3.36		
Total Xylenes*	<0.150	0.150	03/12/2012	ND	6.30	105	6.00	3.47		

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 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	1220	16.0	03/13/2012	ND	400	100	400	3.92		

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	03/13/2012	ND	181	90.3	200	11.7		
DRO >C10-C28	<10.0	10.0	03/13/2012	ND	164	81.8	200	11.0		

Surrogate: 1-Chlorooctane 95.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.1 % 57.6-158

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*=Accredited Analyte

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

 Received: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 2 2' BGS (H200619-02)

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	03/12/2012	ND	1.84	92.1	2.00	5.25		
Toluene*	<0.050	0.050	03/12/2012	ND	1.98	99.0	2.00	4.49		
Ethylbenzene*	<0.050	0.050	03/12/2012	ND	2.03	102	2.00	3.36		
Total Xylenes*	<0.150	0.150	03/12/2012	ND	6.30	105	6.00	3.47		

Surrogate: 4-Bromofluorobenzene (PII) 108 % 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	1720	16.0	03/13/2012	ND	400	100	400	3.92		

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	03/13/2012	ND	181	90.3	200	11.7		
DRO >C10-C28	<10.0	10.0	03/13/2012	ND	164	81.8	200	11.0		

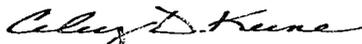
Surrogate: 1-Chlorooctane 103 % 55.5-154

Surrogate: 1-Chlorooctadecane 102 % 57.6-158

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

 Received: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 3 1' BGS (H200619-03)

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	03/12/2012	ND	1.84	92.1	2.00	5.25	
Toluene*	<0.050	0.050	03/12/2012	ND	1.98	99.0	2.00	4.49	
Ethylbenzene*	<0.050	0.050	03/12/2012	ND	2.03	102	2.00	3.36	
Total Xylenes*	<0.150	0.150	03/12/2012	ND	6.30	105	6.00	3.47	

Surrogate: 4-Bromofluorobenzene (PIL) 116 % 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	688	16.0	03/13/2012	ND	400	100	400	3.92	

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	03/13/2012	ND	181	90.3	200	11.7	
DRO >C10-C28	<10.0	10.0	03/13/2012	ND	164	81.8	200	11.0	

Surrogate: 1-Chlorooctane 79.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 77.0 % 57.6-158

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 Received: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 3 2' BGS (H200619-04)

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	03/12/2012	ND	1.84	92.1	2.00	5.25	
Toluene*	<0.050	0.050	03/12/2012	ND	1.98	99.0	2.00	4.49	
Ethylbenzene*	<0.050	0.050	03/12/2012	ND	2.03	102	2.00	3.36	
Total Xylenes*	<0.150	0.150	03/12/2012	ND	6.30	105	6.00	3.47	

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 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	944	16.0	03/13/2012	ND	400	100	400	3.92	

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	03/13/2012	ND	181	90.3	200	11.7	
DRO >C10-C28	<10.0	10.0	03/13/2012	ND	164	81.8	200	11.0	

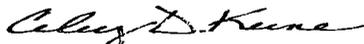
Surrogate: 1-Chlorooctane 102 % 55.5-154

Surrogate: 1-Chlorooctadecane 105 % 57.6-158

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

 Received: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 4 1' BGS (H200619-05)

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	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

Surrogate: 4-Bromofluorobenzene (PIL) 119 % 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	608	16.0	03/13/2012	ND	400	100	400	3.92	

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	03/13/2012	ND	181	90.3	200	11.7	
DRO >C10-C28	<10.0	10.0	03/13/2012	ND	164	81.8	200	11.0	

Surrogate: 1-Chlorooctane 90.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 85.2 % 57.6-158

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

 Received: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 4 2' BGS (H200619-06)

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	03/13/2012	ND	1.89	94.5	2.00	3.65		
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85		
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78		
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63		

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	1630	16.0	03/13/2012	ND	400	100	400	3.92		

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	03/13/2012	ND	181	90.3	200	11.7		
DRO >C10-C28	<10.0	10.0	03/13/2012	ND	164	81.8	200	11.0		

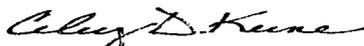
Surrogate: 1-Chlorooctane 85.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 83.6 % 57.6-158

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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: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 5 1' BGS (H200619-07)
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	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 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	560	16.0	03/13/2012	ND	400	100	400	3.92	

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/13/2012	ND	181	90.3	200	11.7	
DRO >C10-C28	1970	100	03/13/2012	ND	164	81.8	200	11.0	

Surrogate: 1-Chlorooctane 102 % 55.5-154

Surrogate: 1-Chlorooctadecane 122 % 57.6-158

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* = Accredited Analyte

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

 Received: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 5 2' BGS (H200619-08)

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	03/13/2012	ND	1.89	94.5	2.00	3.65		
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85		
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78		
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63		

Surrogate: 4-Bromofluorobenzene (PII) 110% 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	784	16.0	03/13/2012	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	03/13/2012	ND	181	90.3	200	11.7		
DRO >C10-C28	568	100	03/13/2012	ND	164	81.8	200	11.0		

Surrogate: 1-Chlorooctane 99.5% 55.5-154

Surrogate: 1-Chlorooctadecane 128% 57.6-158

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 P.O. Box 1058
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 Received: 03/09/2012
 Reported: 03/14/2012
 Project Name: FED F BATTERY
 Project Number: NONE GIVEN
 Project Location: EDDY COUNTY, NM

 Sampling Date: 03/09/2012
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Amanda Ponce

Sample ID: SP 6 1' BGS (H200619-09)

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	03/13/2012	ND	1.89	94.5	2.00	3.65	
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63	

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	176	16.0	03/13/2012	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	03/13/2012	ND	181	90.3	200	11.7	
DRO >C10-C28	1670	100	03/13/2012	ND	164	81.8	200	11.0	

Surrogate: 1-Chlorooctane 95.0 % 55.5-154

Surrogate: 1-Chlorooctadecane 95.4 % 57.6-158

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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:	03/09/2012	Sampling Date:	03/09/2012
Reported:	03/14/2012	Sampling Type:	Soil
Project Name:	FED F BATTERY	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Amanda Ponce
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 6 2' BGS (H200619-10)

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	03/13/2012	ND	1.89	94.5	2.00	3.65		
Toluene*	<0.050	0.050	03/13/2012	ND	2.06	103	2.00	3.85		
Ethylbenzene*	<0.050	0.050	03/13/2012	ND	2.11	106	2.00	3.78		
Total Xylenes*	<0.150	0.150	03/13/2012	ND	6.61	110	6.00	3.63		

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	176	16.0	03/13/2012	ND	400	100	400	3.92		

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	03/13/2012	ND	181	90.3	200	11.7		
DRO >C10-C28	336	10.0	03/13/2012	ND	164	81.8	200	11.0		

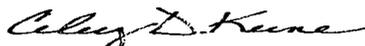
Surrogate: 1-Chlorooctane 99.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 113 % 57.6-158

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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

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