



July 30, 2014

VERNON BLACK

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: MAVERICK 13 DM FED COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 07/29/14 15:40.

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/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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly legible.

Mike Snyder For 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:	07/29/2014	Sampling Date:	07/29/2014
Reported:	07/30/2014	Sampling Type:	Soil
Project Name:	MAVERICK 13 DM FED COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: SECTION #1 8" (H402327-01)

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	07/30/2014	ND	2.04	102	2.00	5.35	
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93	
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15	
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74	
Total BTEX	<0.300	0.300	07/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	07/30/2014	ND	416	104	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	07/30/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	403	10.0	07/30/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 84.7 % 65.2-140
Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Received:	07/29/2014	Sampling Date:	07/29/2014
Reported:	07/30/2014	Sampling Type:	Soil
Project Name:	MAVERICK 13 DM FED COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: SECTION #2 8" (H402327-02)

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	07/30/2014	ND	2.04	102	2.00	5.35	
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93	
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15	
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74	
Total BTEX	<0.300	0.300	07/30/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	07/30/2014	ND	416	104	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	10.1	10.0	07/30/2014	ND	189	94.6	200	10.2	
DRO >C10-C28	356	10.0	07/30/2014	ND	211	106	200	16.6	

Surrogate: 1-Chlorooctane 85.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.9 % 63.6-154

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Received:	07/29/2014	Sampling Date:	07/29/2014
Reported:	07/30/2014	Sampling Type:	Soil
Project Name:	MAVERICK 13 DM FED COM #1H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	EDDY COUNTY, NM		

Sample ID: SECTION #3 8" (H402327-03)

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	07/30/2014	ND	2.04	102	2.00	5.35		
Toluene*	<0.050	0.050	07/30/2014	ND	2.07	103	2.00	4.93		
Ethylbenzene*	<0.050	0.050	07/30/2014	ND	2.10	105	2.00	5.15		
Total Xylenes*	<0.150	0.150	07/30/2014	ND	6.43	107	6.00	4.74		
Total BTEX	<0.300	0.300	07/30/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	07/30/2014	ND	416	104	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	07/30/2014	ND	189	94.6	200	10.2		
DRO >C10-C28	16.9	10.0	07/30/2014	ND	211	106	200	16.6		

Surrogate: 1-Chlorooctane 88.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.1 % 63.6-154

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 SM450Cl-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



Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Hungry Horse, LLC
 Project Manager: Vernon K. Black
 Address: PO Box 1058
 City: Hobbs State: NM Zip: 88241
 Phone #: 575-631-2253 Fax #: 575-391-4585
 Project #: _____
 Project Name: Martrack 13 DM Fed Cont 1414 Project Owner: Merburne C/Co
 Project Location: Sully County NM
 Sampler Name: Vernon K. Black
 P.O. #: _____ Company: _____
 Attn: _____ Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	chlorides	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H-403307</u>															
	<u>Section #1 8"</u>	<u>C</u>				<u>X</u>					<u>8/24/14</u>	<u>1250</u>	<u>X</u>	<u>X</u>	<u>X</u>
	<u>Section #2 8"</u>	<u>C</u>				<u>X</u>							<u>X</u>	<u>X</u>	<u>X</u>
	<u>Section #3 8"</u>	<u>C</u>				<u>X</u>							<u>X</u>	<u>X</u>	<u>X</u>

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Relinquished By: [Signature] Date: 8/24/14
 Received By: [Signature] Date: 8/24/14
 Relinquished By: _____ Date: _____
 Received By: _____ Date: _____

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 6.0 De-HSY
 Sample Condition Cool Impact Yes No
 Checked By: [Signature] (Initials) [Signature]

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: Push

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