



**Nicholson GeoSolutions LLC**

3433 East Lake Drive

Centennial, CO 80121

June 15, 2016

Mr. Terry Pape  
HRM Resources, LLC  
410 17<sup>th</sup> Street, Suite 1100  
Denver, CO 80202

**Subject: Barfknecht No. 1 Landfarm Sampling Results  
COGCC Remediation #9049**

Dear Terry:

Nicholson GeoSolutions LLC was retained by HRM Resources II LLC (HRM) to conduct soil sampling of the landfarm on the Barfknecht No. 1 lease, Washington County, Colorado. Sampling of the landfarm was conducted at the required rate of approximately one sample per 100 yards of material on May 25<sup>th</sup>, 2016. The landfarm was previously sampled on October 18<sup>th</sup>, 2015.

GPS mapping showed that the landfarm covers about 0.12 acres and contains an estimated 270 yards of material. A total of 3 discrete soil samples were collected at depths of approximately 12-16 inches. The extent of the landfarm cell and the locations of the samples are shown on Figure 1.

All samples were analyzed for Total Volatile Petroleum Hydrocarbons (TVPH – gasoline range), Total Extractable Petroleum Hydrocarbons (TEPH – diesel and motor oil range), and BTEX (benzene, toluene, ethylbenzene, and xylenes) to evaluate compliance with the COGCC Table 910-1 standards and further treatment needs.

Table 1 provides a summary of the analytical results for the samples. The laboratory report is contained in Appendix A. For the May 2016 sampling event, the sum of the concentrations of gasoline, diesel, and motor oil range petroleum hydrocarbons (total petroleum hydrocarbons [TPH]) exceeded the COGCC standard of 500 mg/kg for all three samples and ranged from 2,099.24 mg/kg to 6,593.51 mg/kg.

**Table 1 Barfknecht No. 1 Landfarm Sample Results – May 25, 2016**

	Table 910-1 Standards	Barfknecht LF-1	Barfknecht LF-2	Barfknecht LF-3
TVPH – gasoline range	500 <sup>1</sup>	1.24	3.51	<0.5
TEPH – diesel/motor oil range	500 <sup>1</sup>	<b>2,098</b>	<b>6,590</b>	<b>2,159</b>
benzene	0.17	<0.0025	<0.0025	<0.0025
toluene	85	<0.025	<0.025	<0.025
ethylbenzene	100	<0.0025 UJ	<0.0025 UJ	<0.0025 UJ
xylenes	175	0.00832	0.0242	<0.0075

<sup>1</sup>The standard is 500 for the combined total of TVPH and TEPH All units in mg/kg

UJ = estimated detection limit

Values in bold type exceed standards

Table 2 provides the TPH results for the October 18<sup>th</sup>, 2015 and May 25<sup>th</sup>, 2016 samples and the percent difference between the two samples at each sample location. TPH ranged from 835 mg/kg to 18,545 mg/kg for the October 2015 samples and from 2,099 mg/kg to 6,593 mg/kg for the May 2016 samples. The TPH concentration was lower for the May 2016 samples at two of the three sample locations and higher at the remaining location. The landfarm was reconstructed and thoroughly tilled since the last sampling event which may account for the erratic results.

**Table 2 Comparison of TPH Results, October 18, 2015 and May 25, 2016**

Sample Location	TPH (mg/kg) October 18, 2015	TPH (mg/kg) May 25, 2016	%Difference
Barfknecht-LF-1	5,515	2,099	-61.9
Barfknecht-LF-2	18,545	6,593	-64.4
Barfknecht-LF-3	835	2,159	158.6

Table 3 provides summary statistics for the two sampling events. The average TPH concentration for the three samples dropped from 8,298 mg/kg to 3,617 mg/kg between October 18<sup>th</sup>, 2015 and May 25<sup>th</sup>, 2016. The median concentration dropped from 5,515 mg/kg to 2,159 mg/kg. Using the results provided above in Table 2, the average % TPH reduction for the overall landfarm was -56.4%.

**Table 3 Summary Statistics for the October 2015 and May 2016 Samples**

Sample Date	Minimum	Maximum	Average	Median	Average % Difference
Oct 18, 2015	835	18,545	8,298	5,515	
May 25, 2016	2,099	6,593	3,617	2,159	-56.4

Using the difference between the average TPH concentrations of 4,681 mg/kg, and the time period of 220 days, a biodegradation rate of 21.3 mg/kg-day is obtained. However, with only two data points, the calculated rate assumes that the rate of decline is linear when it is likely a first-order or second-order decay equation. Therefore, the calculated biodegradation rate may be higher than the actual rate. A more accurate rate may be determined following the collection of the October 2016 samples.

Based on the analytical results, bioremediation of the TPH contained in the soils in the landfarm cells at the Barfknecht No. 1 lease is occurring. Additional treatment of the landfarm cells including tilling will be conducted prior to the next sampling event in October 2016.

Nicholson GeoSolutions LLC

A handwritten signature in blue ink, appearing to read "DK Nicholson".

David K. Nicholson, P.G.  
Principal Geologist



**APPENDIX A**  
**Laboratory Report**

June 07, 2016

## HRM Resources, LLC - Denver, CO

Sample Delivery Group: L838260  
Samples Received: 05/27/2016  
Project Number:  
Description: HRM Landform Sampling

Report To: Dave Nicholson  
410 17th St., Ste. 1600  
Denver, CO 80202

Entire Report Reviewed By:



Mark W. Beasley  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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<sup>4</sup> Cn: Case Narrative	4	<sup>4</sup> Cn
<sup>5</sup> Sr: Sample Results	5	<sup>5</sup> Sr
BARFKNECHT-LF-1 L838260-01	5	
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## SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



BARFKNECHT-LF-1 L838260-01 Solid		Collected by D. Nicholson	Collected date/time 05/25/16 13:50	Received date/time 05/27/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Semi-Volatile Organic Compounds (GC) by Method 8015	WG876716	10	06/03/16 09:48	06/03/16 15:42
Volatile Organic Compounds (GC) by Method 8015/8021	WG876836	5	06/03/16 18:56	06/04/16 18:26
BARFKNECHT-LF-2 L838260-02 Solid		Collected by D. Nicholson	Collected date/time 05/25/16 13:55	Received date/time 05/27/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Semi-Volatile Organic Compounds (GC) by Method 8015	WG876716	50	06/03/16 09:48	06/03/16 19:51
Volatile Organic Compounds (GC) by Method 8015/8021	WG876836	5	06/03/16 18:56	06/04/16 18:48
BARFKNECHT-LF-3 L838260-03 Solid		Collected by D. Nicholson	Collected date/time 05/25/16 14:00	Received date/time 05/27/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Semi-Volatile Organic Compounds (GC) by Method 8015	WG876716	10	06/03/16 09:48	06/03/16 17:54
Volatile Organic Compounds (GC) by Method 8015/8021	WG876836	5	06/03/16 18:56	06/04/16 19:10

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley  
Technical Service Representative

- <sup>1</sup> Cp
- <sup>2</sup> Tc
- <sup>3</sup> Ss
- <sup>4</sup> Cn
- <sup>5</sup> Sr
- <sup>6</sup> Qc
- <sup>7</sup> GI
- <sup>8</sup> AI
- <sup>9</sup> Sc



## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	
Benzene	ND		0.00250	5	06/04/2016 18:26	WG876836	<sup>1</sup> Cp
Toluene	ND		0.0250	5	06/04/2016 18:26	WG876836	<sup>2</sup> Tc
Ethylbenzene	ND	J3	0.00250	5	06/04/2016 18:26	WG876836	<sup>3</sup> Ss
Total Xylene	0.00832	B	0.00750	5	06/04/2016 18:26	WG876836	<sup>4</sup> Cn
TPH (GC/FID) Low Fraction	1.24		0.500	5	06/04/2016 18:26	WG876836	<sup>5</sup> Sr
(S) a,a,a-Trifluorotoluene(FID)	92.5		59.0-128		06/04/2016 18:26	WG876836	<sup>6</sup> Qc
(S) a,a,a-Trifluorotoluene(PID)	99.0		54.0-144		06/04/2016 18:26	WG876836	<sup>7</sup> Gl

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	
C10-C28 Diesel Range	1120		40.0	10	06/03/2016 15:42	WG876716	<sup>8</sup> Al
C28-C40 Oil Range	978		40.0	10	06/03/2016 15:42	WG876716	<sup>9</sup> Sc
(S) o-Terphenyl	78.3		50.0-150		06/03/2016 15:42	WG876716	



## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	
Benzene	ND		0.00250	5	06/04/2016 18:48	WG876836	<sup>1</sup> Cp
Toluene	ND		0.0250	5	06/04/2016 18:48	WG876836	<sup>2</sup> Tc
Ethylbenzene	ND		0.00250	5	06/04/2016 18:48	WG876836	<sup>3</sup> Ss
Total Xylene	0.0242	<u>B</u>	0.00750	5	06/04/2016 18:48	WG876836	<sup>4</sup> Cn
TPH (GC/FID) Low Fraction	3.51		0.500	5	06/04/2016 18:48	WG876836	<sup>5</sup> Sr
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	91.5		59.0-128		06/04/2016 18:48	WG876836	<sup>6</sup> Qc
(S) <i>a,a,a</i> -Trifluorotoluene(PID)	97.4		54.0-144		06/04/2016 18:48	WG876836	<sup>7</sup> GI

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	
C10-C28 Diesel Range	4330		200	50	06/03/2016 19:51	WG876716	<sup>8</sup> AI
C28-C40 Oil Range	2260		200	50	06/03/2016 19:51	WG876716	<sup>9</sup> SC
(S) <i>o</i> -Terphenyl	15.1	<u>J7</u>	50.0-150		06/03/2016 19:51	WG876716	



## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	
Benzene	ND		0.00250	5	06/04/2016 19:10	WG876836	<sup>1</sup> Cp
Toluene	ND		0.0250	5	06/04/2016 19:10	WG876836	<sup>2</sup> Tc
Ethylbenzene	ND		0.00250	5	06/04/2016 19:10	WG876836	<sup>3</sup> Ss
Total Xylene	ND	<u>B</u>	0.00750	5	06/04/2016 19:10	WG876836	<sup>4</sup> Cn
TPH (GC/FID) Low Fraction	ND		0.500	5	06/04/2016 19:10	WG876836	<sup>5</sup> Sr
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	93.0		59.0-128		06/04/2016 19:10	WG876836	<sup>6</sup> Qc
(S) <i>a,a,a</i> -Trifluorotoluene(PID)	99.1		54.0-144		06/04/2016 19:10	WG876836	<sup>7</sup> GI

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch	
C10-C28 Diesel Range	1190		40.0	10	06/03/2016 17:54	WG876716	<sup>8</sup> AI
C28-C40 Oil Range	969		40.0	10	06/03/2016 17:54	WG876716	<sup>9</sup> SC
(S) <i>o</i> -Terphenyl	66.8		50.0-150		06/03/2016 17:54	WG876716	



## Method Blank (MB)

(MB) R3141910-5 06/04/16 15:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000545	J	0.000150	0.00500
Ethylbenzene	0.000176	J	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0243	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	92.6		59.0-128	
(S) a,a,a-Trifluorotoluene(PID)	99.6		54.0-144	

<sup>1</sup>Cp<sup>2</sup>Tc<sup>3</sup>Ss<sup>4</sup>Cn<sup>5</sup>Sr<sup>6</sup>Qc

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141910-1 06/04/16 13:58 • (LCSD) R3141910-2 06/04/16 14:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Benzene	0.0500	0.0464	0.0467	92.8	93.4	70.0-130			0.580	20
Toluene	0.0500	0.0457	0.0453	91.4	90.5	70.0-130			0.980	20
Ethylbenzene	0.0500	0.0464	0.0466	92.7	93.2	70.0-130			0.560	20
Total Xylene	0.150	0.140	0.140	93.5	93.4	70.0-130			0.150	20
(S) a,a,a-Trifluorotoluene(FID)				91.5	92.2	59.0-128				
(S) a,a,a-Trifluorotoluene(PID)				97.1	98.3	54.0-144				

<sup>7</sup>Gl<sup>8</sup>Al<sup>9</sup>Sc

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141910-3 06/04/16 14:42 • (LCSD) R3141910-4 06/04/16 15:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	5.50	5.54	6.55	101	119	63.5-137			16.6	20
(S) a,a,a-Trifluorotoluene(FID)				102	105	59.0-128				
(S) a,a,a-Trifluorotoluene(PID)				110	112	54.0-144				

## L838260-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L838260-01 06/04/16 18:26 • (MS) R3141910-6 06/04/16 16:35 • (MSD) R3141910-7 06/04/16 16:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Benzene	0.0500	ND	0.184	0.208	73.7	83.2	5	49.7-127			12.1	23.5
Toluene	0.0500	ND	0.157	0.185	62.0	73.1	5	49.8-132			16.2	23.5
Ethylbenzene	0.0500	ND	0.136	0.174	54.3	69.6	5	40.8-141	J3		24.6	23.8
Total Xylene	0.150	0.00832	0.419	0.527	54.7	69.2	5	41.2-140			23.0	23.7
(S) a,a,a-Trifluorotoluene(FID)				90.8	92.7			59.0-128				

<sup>1</sup>Cp<sup>2</sup>Tc<sup>3</sup>Ss<sup>4</sup>Cn<sup>5</sup>Sr<sup>6</sup>Qc



L838260-01,02,03

## L838260-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L838260-01 06/04/16 18:26 • (MS) R3141910-6 06/04/16 16:35 • (MSD) R3141910-7 06/04/16 16:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) <i>a,a,a</i> -Trifluorotoluene(PID)				97.1		98.0		54.0-144				

<sup>1</sup>Cp<sup>2</sup>Tc<sup>3</sup>Ss<sup>4</sup>Cn<sup>5</sup>Sr<sup>6</sup>Qc<sup>7</sup>Gl<sup>8</sup>Al<sup>9</sup>Sc

## L838260-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L838260-01 06/04/16 18:26 • (MS) R3141910-8 06/04/16 17:20 • (MSD) R3141910-9 06/04/16 17:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	1.24	15.5	12.4	52.0	40.7	5	28.5-138			22.2	23.6
(S) <i>a,a,a</i> -Trifluorotoluene(FID)				95.9		95.2		59.0-128				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)				102		101		54.0-144				



## Method Blank (MB)

(MB) R3141535-1 06/03/16 14:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	100			50.0-150

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141535-2 06/03/16 14:14 • (LCSD) R3141535-3 06/03/16 14:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
C10-C28 Diesel Range	60.0	49.9	47.5	83.1	79.1	50.0-150			4.96	20
(S) o-Terphenyl			96.2		89.3	50.0-150				



## Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

## Qualifier      Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

## State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey—NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio—VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee <sup>14</sup>	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

## Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

Company Name/Address:

~~Berry Petroleum Co.~~1299 Broadway Suite 3700  
Denver, CO 80202

Nicholson GeoSolutions

Report to:

Dave Nicholson

Project: HRM Landfarm Sampling  
Description:

Phone: 303-601-2023

Client Project #

Fax:

City/State  
Collected:

Lab Project #

BERPETD00030615S

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

*DK Nicholson*

Immediately

Packed on Ice N Y

Rush? (Lab MUST Be Notified)

- Same Day ..... 200%  
 Next Day ..... 100%  
 Two Day ..... 50%  
 Three Day ..... 25%

Date Results Needed

Email? No  YesFAX? No  Yes

No. of Cntrs

TEPH(8015)Diesel &amp; Oil Range (1) 4oz Clear-No Pres

BTEX/TVPH (1) 4oz Clear - No Pres

Sample ID

Comp/Grab

Matrix \*

Depth

Date

Time

Barfknecht-Lf-1

SS

5/25

1350

2

X

X

Barfknecht-Lf-2

SS

↓

1355

2

X

X

Barfknecht-Lf-3

SS

↓

1400

2

X

X

SS

2

SS

2

SS

2

SS

2

SS

2

SS

2

SS

22

\* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

Relinquished by : (Signature)

Date:

5/26/16

Time:

1900

Received by: (Signature)

*FedEx*

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature)

*MWT*

Analysis / Container / Preservative

Chain of Custody Page 1 of 1



YOUR LAB OF CHOICE

 12065 Lebanon Rd  
 Mount Juliet, TN 37122  
 Phone: 615-758-5858  
 Phone: 800-767-5859  
 Fax: 615-758-5859


L# L838260

C145

Acctnum: BERPETD00

Template:

Prelogin:

TSR:

Cooler:

Shipped Via:

Rem./Contaminant Sample # (lab only)

pH Temp

Flow Other

6711 0334 0231

Hold #

Condition: *an* (lab use only) *6pm*Samples returned via:  UPS FedEx  Courier Temp: *93* °C Bottles Received:*(e = 402*COC Seal Intact: *Y N NA*

Date: Time:

*5-27-16 900*pH Checked: *NCF:*