

**NM1 - 41**

**MONITORING  
REPORTS**

**YEAR(S):**

**2007-2010**

*Arc Environmental*

P. O. Box 1772  
Lovington, New Mexico 88260  
(575) 631-9310  
rozanne@valornet.com

RECEIVED OCD

2011 ~~Aug~~ 18 P 10:14

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August 14, 2011

Mr. Brad Jones  
NMOCD Environmental  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

Mr. Jones,

Following the receipt of your letter stating the sampling requirements for the landfarms in New Mexico a search of the OCD database showed several missing reports for the Lazy Ace Landfarm, permit number 41.

Enclosed are copies of the missing reports that did not show up on the database search. Should you have any questions, please call.

Sincerely,



Rozanne Johnson  
*Arc Environmental, LLC*

Enclosure:    Copies of Reports

*Arc Environmental*

P. O. Box 1772  
Lovington, New Mexico 88260  
(575) 631-9310  
Rozanne Johnson ~ [rozanne@valornet.com](mailto:rozanne@valornet.com)

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January 12, 2011

Mr. Brad Jones  
NMOCD Environmental  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

Mr. Jones,

Enclosed are the sampling results for the various cells at the Lazy Ace Landfarm, permit number 41, located in Lea County New Mexico. The four independent samples were taken randomly for semi-annually monitoring of the vadose zone in each cell, three feet below the cell lift and backfilled with clay. Each sample was analyzed for GRO, DRO, Benzene, Toluene, Ethyl Benzene, Total Xylenes and Chlorides.

Should you have any questions, please call.

Sincerely,



Rozanne Johnson  
*Arc Environmental, LLC*

Enclosure:    Copies of Analysis

**2010 Semi – Annually GRO, DRO Chlorides & BTEX**



January 12, 2011

DANNY BERRY  
LAZY ACE LANDFARM, LLC  
P. O. BOX 160  
EUNICE, NM 88231

RE: LAZY ACE LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 11:44.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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 with a large, prominent initial 'C'.

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received: 01/06/2011  
 Reported: 01/12/2011  
 Project Name: LAZY ACE LANDFARM  
 Project Number: NONE GIVEN  
 Project Location: T20S-T34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/29/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: CELL A-1 VADOSE ZONE (H100034-01)**

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05	
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790	
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29	
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56	

Surrogate: Dibromofluoromethane 113 % 80-120  
 Surrogate: Toluene-d8 105 % 80-120  
 Surrogate: 4-Bromofluorobenzene 104 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8	

Surrogate: 1-Chlorooctane 93.6 % 70-130  
 Surrogate: 1-Chlorooctadecane 97.3 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-1 VADOSE ZONE (H100034-02)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 110 % 80-120

Surrogate: Toluene-d8 107 % 80-120

Surrogate: 4-Bromofluorobenzene 98.9 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 73.6 % 70-130

Surrogate: 1-Chlorooctadecane 81.5 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-1 VADOSE ZONE (H100034-03)

BTEX 82608		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 115 % 80-120

Surrogate: Toluene-d8 105 % 80-120

Surrogate: 4-Bromofluorobenzene 98.5 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 91.6 % 70-130

Surrogate: 1-Chlorooctadecane 102 % 70-130

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received: 01/06/2011  
 Reported: 01/12/2011  
 Project Name: LAZY ACE LANDFARM  
 Project Number: NONE GIVEN  
 Project Location: T20S-T34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/29/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

### Sample ID: CELL A-1 VADOSE ZONE (H100034-04)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 114 % 80-120

Surrogate: Toluene-d8 102 % 80-120

Surrogate: 4-Bromofluorobenzene 102 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 98.5 % 70-130

Surrogate: 1-Chlorooctadecane 103 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### 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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



January 12, 2011

DANNY BERRY

LAZY ACE LANDFARM, LLC

P. O. BOX 160

EUNICE, NM 88231

RE: LAZY ACE LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 11:44.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

**Sample ID: CELL A-2 VADOSE ZONE (H100035-01)**

BTEX 82608		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 119 % 80-120  
 Surrogate: Toluene-d8 106 % 80-120  
 Surrogate: 4-Bromofluorobenzene 102 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38		

Surrogate: 1-Chlorooctane 73.6 % 70-130  
 Surrogate: 1-Chlorooctadecane 113 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-2 VADOSE ZONE (H100035-02)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 110 % 80-120

Surrogate: Toluene-d8 105 % 80-120

Surrogate: 4-Bromofluorobenzene 106 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12			
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38			

Surrogate: 1-Chlorooctane 61.3 % 70-130

Surrogate: 1-Chlorooctadecane 97.2 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received: 01/06/2011  
 Reported: 01/12/2011  
 Project Name: LAZY ACE LANDFARM  
 Project Number: NONE GIVEN  
 Project Location: T20S-T34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/29/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: CELL A-2 VADOSE ZONE (H100035-03)**

BTX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 111 % 80-120  
 Surrogate: Toluene-d8 105 % 80-120  
 Surrogate: 4-Bromofluorobenzene 98.9 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12			
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38			

Surrogate: 1-Chlorooctane 55.8 % 70-130  
 Surrogate: 1-Chlorooctadecane 94.3 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
DANNY BERRY  
P. O. BOX 160  
EUNICE NM, 88231  
Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-2 VADOSE ZONE (H100035-04)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05	
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790	
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29	
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56	

Surrogate: Dibromofluoromethane 113 % 80-120

Surrogate: Toluene-d8 105 % 80-120

Surrogate: 4-Bromofluorobenzene 104 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38	

Surrogate: 1-Chlorooctane 70.1 % 70-130

Surrogate: 1-Chlorooctadecane 100 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Qbhf !6!pg8

### 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 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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Qbhf !7!pg8



January 12, 2011

DANNY BERRY  
LAZY ACE LANDFARM, LLC  
P. O. BOX 160  
EUNICE, NM 88231

RE: LAZY ACE LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 11:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-3 VADOSE ZONE (H100036-01)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
<b>Total Xylenes*</b>	<b>0.307</b>	<b>0.300</b>	<b>01/10/2011</b>	<b>ND</b>	<b>5.59</b>	<b>93.2</b>	<b>6.00</b>	<b>2.56</b>		

Surrogate: Dibromofluoromethane 116 % 80-120

Surrogate: Toluene-d8 106 % 80-120

Surrogate: 4-Bromofluorobenzene 103 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 107 % 70-130

Surrogate: 1-Chlorooctadecane 115 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

**Sample ID: CELL A-3 VADOSE ZONE (H100036-02)**

BTEX 82608		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 114 % 80-120  
 Surrogate: Toluene-d8 104 % 80-120  
 Surrogate: 4-Bromofluorobenzene 102 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 103 % 70-130  
 Surrogate: 1-Chlorooctadecane 108 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

**Sample ID: CELL A-3 VADOSE ZONE (H100036-03)**

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05	
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790	
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29	
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56	

Surrogate: Dibromofluoromethane 117 % 80-120  
 Surrogate: Toluene-d8 103 % 80-120  
 Surrogate: 4-Bromofluorobenzene 99.5 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8	

Surrogate: 1-Chlorooctane 101 % 70-130  
 Surrogate: 1-Chlorooctadecane 114 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
DANNY BERRY  
P. O. BOX 160  
EUNICE NM, 88231  
Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-3 VADOSE ZONE (H100036-04)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 115 % 80-120

Surrogate: Toluene-d8 105 % 80-120

Surrogate: 4-Bromofluorobenzene 97.6 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 112 % 70-130

Surrogate: 1-Chlorooctadecane 117 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### 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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



January 12, 2011

DANNY BERRY

LAZY ACE LANDFARM, LLC

P. O. BOX 160

EUNICE, NM 88231

RE: LAZY ACE LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 11:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-4 VADOSE ZONE (H100037-01)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05	
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790	
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29	
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56	

Surrogate: Dibromofluoromethane 117 % 80-120

Surrogate: Toluene-d8 106 % 80-120

Surrogate: 4-Bromofluorobenzene 105 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8	

Surrogate: 1-Chlorooctane 103 % 70-130

Surrogate: 1-Chlorooctadecane 114 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-4 VADOSE ZONE (H100037-02)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05	
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790	
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29	
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56	

Surrogate: Dibromofluoromethane 116 % 80-120

Surrogate: Toluene-d8 107 % 80-120

Surrogate: 4-Bromofluorobenzene 103 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65	
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8	

Surrogate: 1-Chlorooctane 114 % 70-130

Surrogate: 1-Chlorooctadecane 118 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-4 VADOSE ZONE (H100037-03)

BTEX 8260B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05		
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790		
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29		
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56		

Surrogate: Dibromofluoromethane 118 % 80-120

Surrogate: Toluene-d8 105 % 80-120

Surrogate: 4-Bromofluorobenzene 99.1 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	01/11/2011	ND	187	93.3	200	2.65			
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	169	84.5	200	24.8			

Surrogate: 1-Chlorooctane 117 % 70-130

Surrogate: 1-Chlorooctadecane 131 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-4 VADOSE ZONE (H100037-04)

BTEX 8260B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/10/2011	ND	2.10	105	2.00	2.05	
Toluene*	<0.100	0.100	01/10/2011	ND	2.13	107	2.00	0.790	
Ethylbenzene*	<0.100	0.100	01/10/2011	ND	2.07	104	2.00	4.29	
Total Xylenes*	<0.300	0.300	01/10/2011	ND	5.59	93.2	6.00	2.56	

Surrogate: Dibromofluoromethane 110 % 80-120

Surrogate: Toluene-d8 103 % 80-120

Surrogate: 4-Bromofluorobenzene 102 % 80-120

Chloride, SM4500CI-B		mg/kg		Analyzed By: LR					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/12/2011	ND	187	93.3	200	2.65	
DRO >C10-C28	<10.0	10.0	01/12/2011	ND	169	84.5	200	24.8	

Surrogate: 1-Chlorooctane 104 % 70-130

Surrogate: 1-Chlorooctadecane 113 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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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 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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Qbhf !7!pg8



January 12, 2011

DANNY BERRY

LAZY ACE LANDFARM, LLC

P. O. BOX 160

EUNICE, NM 88231

RE: LAZY ACE LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 11:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:**

LAZY ACE LANDFARM, LLC  
DANNY BERRY  
P. O. BOX 160  
EUNICE NM, 88231  
Fax To: (575) 397-2267

Received: 01/06/2011  
Reported: 01/12/2011  
Project Name: LAZY ACE LANDFARM  
Project Number: NONE GIVEN  
Project Location: T20S-T34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/29/2010  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: CELL A-5 VADOSE ZONE (H100038-01)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/11/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.100	0.100	01/11/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.100	0.100	01/11/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.300	0.300	01/11/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 107% 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/12/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/12/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 84.0% 70-130

Surrogate: 1-Chlorooctadecane 88.1% 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

**Sample ID: CELL A-5 VADOSE ZONE (H100038-02)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/11/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.100	0.100	01/11/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.100	0.100	01/11/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.300	0.300	01/11/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: LR						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/12/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/12/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 105 % 70-130

Surrogate: 1-Chlorooctadecane 111 % 70-130

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received: 01/06/2011  
 Reported: 01/12/2011  
 Project Name: LAZY ACE LANDFARM  
 Project Number: NONE GIVEN  
 Project Location: T20S-T34E-SEC 22M-LEA CTY., NM

Sampling Date: 12/29/2010  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: CELL A-5 VADOSE ZONE (H100038-03)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/11/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.100	0.100	01/11/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.100	0.100	01/11/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.300	0.300	01/11/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/07/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/12/2011	ND	187	93.3	200	2.65		
DRO >C10-C28	<10.0	10.0	01/12/2011	ND	169	84.5	200	24.8		

Surrogate: 1-Chlorooctane 90.4 % 70-130

Surrogate: 1-Chlorooctadecane 100 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
DANNY BERRY  
P. O. BOX 160  
EUNICE NM, 88231  
Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL A-5 VADOSE ZONE (H100038-04)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/12/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.100	0.100	01/12/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.100	0.100	01/12/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.300	0.300	01/12/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.93		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	232	92.8	250	6.25		

Surrogate: 1-Chlorooctane 111 % 70-130

Surrogate: 1-Chlorooctadecane 116 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### 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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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101 East Merland - Hobbs, New Mexico 88240  
Tel (575) 393-2326  
Fax (575) 393-2476

# Cardinal Laboratories, Inc.

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # \_\_\_\_\_

### ANALYSIS REQUEST (Circle or Specify Method No.)

- MTBE 8021B/602
- BTEX 8021B
- TPH 8015M
- PAH 8270C
- Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
- TCLP Metals Ag As Ba Cd Cr Pb Se Hg
- TCLP Volatiles
- TCLP Semi Volatiles
- TCLP Pesticides
- RCRA Metals
- GC/MS Vol. 8260B/624
- GC/MS Semi. Vol. 8270C/625
- PCB's 8082/608
- Pesticides 8081A/608
- BOD, TSS, pH
- Moisture Content
- Cations (Ca, Mg, Na, K)
- Anions (Cl, SO4, CO3, HCO3)
- Total Dissolved Solids
- Chlorides

Turn Around Time ~ 24 Hours

Company Name:

Lazy Ace Landfarm, LLC

BILL TO Company:

Lazy Ace Landfarm, LLC

PO#

Address: (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone#:

(575) 369-5266

Fax#:

(575) 397-2267

Address: (Street, City, Zip)

P. O. Box 160 Eunice, New Mexico 88231

Phone #:

(575) 369-5266

Project Name:

Lazy Ace Landfarm

Project Location:

T20S R34E Sec 22M ~ Lea County -New Mexico

Sampler Signature: Rozanne Johnson (575) 637-9370

FORZANNE@VETONET.COM

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD				SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCL	HNO <sub>3</sub>	NaHSO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE (1-4oz jar)	NONE
H10DD0381	Cell A-5 Vadose	G	1	X								12-29	11:40
2	Cell A-5 Vadose	G	1	X								12-29	11:50
3	Cell A-5 Vadose	G	1	X								12-29	12:05
4	Cell A-5 Vadose	G	1	X								12-29	12:15

Relinquished by: Rozanne Johnson Date: 1-6-2011 Time: 11:45  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: Wade Henderson Date: 1/6/11 Time: 11:45  
 Received by: (Laboratory Staff) Date: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One) UPS - Bus - Other: \_\_\_\_\_  
 Sample Condition: Cool Yes  No  In tact Yes  No   
 CHECKED BY: \_\_\_\_\_

REMARKS: \_\_\_\_\_  
 Email Results to: FORZANNE@VETONET.COM  
 Phone Results: Yes  No   
 Fax Results: Yes  No   
 Additional Fax Number: \_\_\_\_\_

January 12, 2011

DANNY BERRY

LAZY ACE LANDFARM, LLC

P. O. BOX 160

EUNICE, NM 88231

RE: LAZY ACE LANDFARM

Enclosed are the results of analyses for samples received by the laboratory on 01/06/11 11:45.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

**Sample ID: CELL X-1 VADOSE ZONE (H100039-01)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.050	0.050	01/11/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.050	0.050	01/11/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.150	0.150	01/11/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38		

Surrogate: 1-Chlorooctane 92.5 % 70-130

Surrogate: 1-Chlorooctadecane 96.8 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

LAZY ACE LANDFARM, LLC  
 DANNY BERRY  
 P. O. BOX 160  
 EUNICE NM, 88231  
 Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

**Sample ID: CELL X-1 VADOSE ZONE (H100039-02)**

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.050	0.050	01/11/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.050	0.050	01/11/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.150	0.150	01/11/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38		

Surrogate: 1-Chlorooctane 80.0 % 70-130

Surrogate: 1-Chlorooctadecane 92.8 % 70-130

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
DANNY BERRY  
P. O. BOX 160  
EUNICE NM, 88231  
Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL X-1 VADOSE ZONE (H100039-03)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.050	0.050	01/11/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.050	0.050	01/11/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.150	0.150	01/11/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38		

Surrogate: 1-Chlorooctane 89.0 % 70-130

Surrogate: 1-Chlorooctadecane 97.9 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

LAZY ACE LANDFARM, LLC  
DANNY BERRY  
P. O. BOX 160  
EUNICE NM, 88231  
Fax To: (575) 397-2267

Received:	01/06/2011	Sampling Date:	12/29/2010
Reported:	01/12/2011	Sampling Type:	Soil
Project Name:	LAZY ACE LANDFARM	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	T20S-T34E-SEC 22M-LEA CTY., NM		

### Sample ID: CELL X-1 VADOSE ZONE (H100039-04)

BTEX 8021B		mg/kg		Analyzed By: CMS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2011	ND	1.61	80.7	2.00	2.68		
Toluene*	<0.050	0.050	01/11/2011	ND	1.68	84.1	2.00	4.74		
Ethylbenzene*	<0.050	0.050	01/11/2011	ND	1.86	92.9	2.00	5.30		
Total Xylenes*	<0.150	0.150	01/11/2011	ND	5.78	96.4	6.00	5.47		

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/07/2011	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/11/2011	ND	250	100	250	4.12		
DRO >C10-C28	<10.0	10.0	01/11/2011	ND	238	95.1	250	3.38		

Surrogate: 1-Chlorooctane 85.3 % 70-130

Surrogate: 1-Chlorooctadecane 96.9 % 70-130

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Celey D. Keene, Lab Director/Quality Manager

Qbhf I6!pg8

### 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 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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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Qbhf!7!pg8



# *Arc Environmental*

P. O. Box 1772  
Lovington, New Mexico 88260  
(575) 631-9310  
Rozanne Johnson ~ [rozanne@valornet.com](mailto:rozanne@valornet.com)

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July 26, 2010

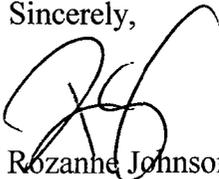
Mr. Brad Jones  
NMOCD Environmental  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

Mr. Jones,

Enclosed are the sampling results for the various cells at the Lazy Ace Landfarm, permit number 41, located in Lea County New Mexico. The four independent samples were taken randomly for semi-annually monitoring of the vadose zone in each cell, three feet below the cell lift and backfilled with clay. Each sample was analyzed for GRO, DRO, Benzene, Toluene, Ethyl Benzene, Total Xylenes and Chlorides.

Should you have any questions, please call.

Sincerely,



Rozanne Johnson  
*Arc Environmental, LLC*

Enclosure:    Copies of Analysis

**Semi – Annually GRO, DRO Chlorides & BTEX**



**ARDINAL  
LABORATORIES**

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

---

July 13, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H20291, received by the laboratory on 07/07/10 at 11:50 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

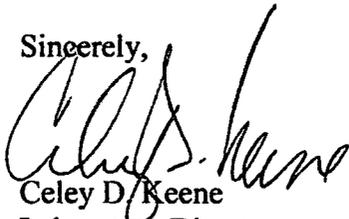
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,



Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.



ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 07/07/10  
 Reporting Date: 07/12/10  
 Project Owner: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M-LEA COUNTY, NM

Sampling Date: 06/30/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ 1°C  
 Sample Received By: AB  
 Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
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ANALYSIS DATE:	07/09/10	07/09/10	07/09/10	07/09/10	07/09/10	07/09/10	07/08/10
H20291-1 CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20291-2 CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20291-3 CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20291-4 CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
Quality Control	533	524	0.009	0.009	0.009	0.027	500
True Value QC	500	500	0.010	0.010	0.010	0.030	500
% Recovery	107	105	90.0	90.0	90.0	90.0	100
Relative Percent Difference	1.2	1.8	5.7	5.2	6.2	6.4	3.8

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B  
 \*Analyses performed on 1:4 w:v aqueous extracts, Reported on wet weight.  
 TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
 AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
 Lab Director

07/13/10  
 Date

H20291 LA OCO

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

---

July 13, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H20296, received by the laboratory on 07/07/10 at 11:50 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

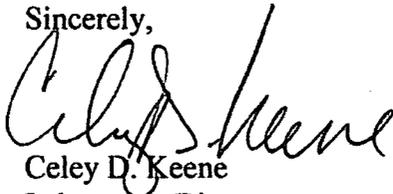
Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,



Celey D. Keene  
Laboratory Director

ANALYTICAL RESULTS FOR  
LAZY ACE LANDFARM, LLC  
ATTN: DANNY BERRY  
P.O. BOX 160  
EUNICE, NM 88231  
FAX TO: (575) 397-2267

Receiving Date: 07/07/10  
Reporting Date: 07/12/10  
Project Owner: NOT GIVEN  
Project Name: LAZY ACE LANDFARM  
Project Location: T20S R34E SEC 22M-LEA COUNTY, NM

Sampling Date: 06/30/10  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 1°C  
Sample Received By: AB  
Analyzed By: AB/ZL/HM

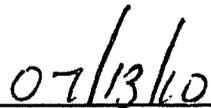
LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		07/10/10	07/10/10	07/09/10	07/09/10	07/09/10	07/09/10	07/09/10
H20296-1	CELL A-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20296-2	CELL A-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20296-3	CELL A-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20296-4	CELL A-1	<10.0	62.7	<0.050	<0.050	<0.050	<0.300	176
Quality Control		583	583	0.010	0.010	0.009	0.028	500
True Value QC		500	500	0.010	0.010	0.010	0.030	500
% Recovery		117	117	100	100	90.0	93.3	100
Relative Percent Difference		4.8	10.5	1.1	<1.0	<1.0	<1.0	3.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B

\*Analyses performed on 1:4 w:v aqueous extracts, Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
\_\_\_\_\_  
Lab Director

  
\_\_\_\_\_  
Date

H20296 LA OCO





# ARDINAL LABORATORIES

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

---

July 13, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H20295, received by the laboratory on 07/07/10 at 11:50 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

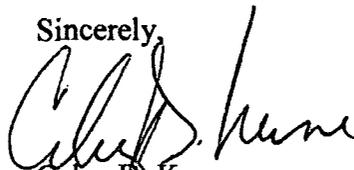
Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,



Celey D. Keene  
Laboratory Director

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This report conforms with NELAP requirements.



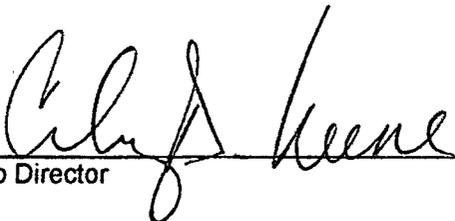
ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

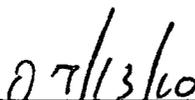
Receiving Date: 07/07/10  
 Reporting Date: 07/12/10  
 Project Owner: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M-LEA COUNTY, NM

Sampling Date: 06/30/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ 1°C  
 Sample Received By: AB  
 Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		07/10/10	07/10/10	07/09/10	07/09/10	07/09/10	07/09/10	07/09/10
H20295-1	CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20295-2	CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	96
H20295-3	CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20295-4	CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
Quality Control		583	583	0.010	0.010	0.009	0.028	500
True Value QC		500	500	0.010	0.010	0.010	0.030	500
% Recovery		117	117	100	100	90.0	93.3	100
Relative Percent Difference		4.8	10.5	1.1	<1.0	<1.0	<1.0	3.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B  
 \*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.  
 TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
 AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
 Lab Director

  
 Date

H20295 LA OCO

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

101 East Marland - Hobbs, New Mexico 88240  
 Tel (575) 393-2326  
 Fax (575) 393-2476

# Cardinal Laboratories, Inc.

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # \_\_\_\_\_

### ANALYSIS REQUEST (Circle or Specify Method No.)

Company Name: **Lazy Ace Landfarm, LLC** BILL TO Company: **Lazy Ace Landfarm, LLC** PO# \_\_\_\_\_  
 Project Manager: **Danny Berry** Address: \_\_\_\_\_ (Street, City, Zip)

Address: \_\_\_\_\_ (Street, City, Zip) P. O. Box 160 Eunice, New Mexico 88231  
 Phone #: \_\_\_\_\_ (575)369-5266 Phone#: \_\_\_\_\_ (575)397-2267  
 Fax #: \_\_\_\_\_ (575)369-5266 Fax#: \_\_\_\_\_ (575)397-2267

Project #: \_\_\_\_\_ Project Name: **Lazy Ace Landfarm**

Project Location: **T20S R34E Sec 22M ~ Lea County -New Mexico** Sampler Signature: *[Signature]* Rozanne Johnson (575)531-9310  
 tozanne@valmet.com

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX					PRESERVATIVE METHOD					SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCL	HNO <sub>3</sub>	NaHSO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE (1-4oz jar)	NONE	DATE (2010)	TIME	
H20295-1	Cell A-2	G	1	X											6-30	8:00
	Cell A-2	G	1	X											6-30	8:20
	Cell A-2	G	1	X											6-30	8:30
	Cell A-2	G	1	X											6-30	8:40

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>[Signature]</i>	7-7-10	11:50	<i>[Signature]</i>	7/7/10	11:50
Rozanne Johnson			Lab Staff		

Delivered By: (Circle One)  UPS - Bus - Other: *100 #26*

Sample Condition: Cool Yes  No  Impact Yes  No

CHECKED BY: *[Signature]*

REMARKS:	Phone Results	Yes	No	Additional Fax Number:
MTBE 8021B/602				
BTEX 8021B				
TPH 8015M				
PAH 8270C				
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7				
TCLP Metals Ag As Ba Cd Cr Pb Se Hg				
TCLP Volatiles				
TCLP Semi Volatiles				
TCLP Pesticides				
RCRA Metals				
GC/MS Vol. 8260B/624				
GC/MS Semi. Vol. 8270C/625				
PCB's 8082/608				
Pesticides 8081A/608				
BOD, TSS, pH				
Moisture Content				
Cations (Ca, Mg, Na, K)				
Anions (Cl, SO <sub>4</sub> , CO <sub>3</sub> , HCO <sub>3</sub> )				
Total Dissolved Solids				
Chlorides				
Turn Around Time ~ 24 Hours				

Email Results to: [tozanne@valmet.com](mailto:tozanne@valmet.com)



July 13, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H20294, received by the laboratory on 07/07/10 at 11:50 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

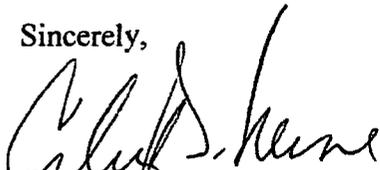
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,



Celey D. Keene  
Laboratory Director



ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 07/07/10  
 Reporting Date: 07/12/10  
 Project Owner: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M-LEA COUNTY, NM

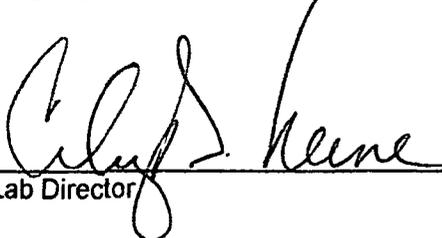
Sampling Date: 06/30/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ 1°C  
 Sample Received By: AB  
 Analyzed By: AB/ZL/HM

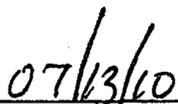
LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		07/10/10	07/10/10	07/09/10	07/09/10	07/09/10	07/09/10	07/08/10
H20294-1	CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	128
H20294-2	CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20294-3	CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20294-4	CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
Quality Control		583	583	0.010	0.010	0.009	0.028	500
True Value QC		500	500	0.010	0.010	0.010	0.030	500
% Recovery		117	117	100	100	90.0	93.3	100
Relative Percent Difference		4.8	10.5	1.1	<1.0	<1.0	<1.0	3.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B

\*Analyses performed on 1:4 w:v aqueous extracts, Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
 Lab Director

  
 Date

H20294 LA OCO

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.





# ARDINAL LABORATORIES

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

---

July 13, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H20293, received by the laboratory on 07/07/10 at 11:50 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

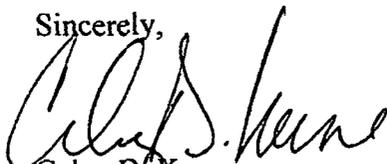
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,



Celey D. Keene  
Laboratory Director

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This report conforms with NELAP requirements.



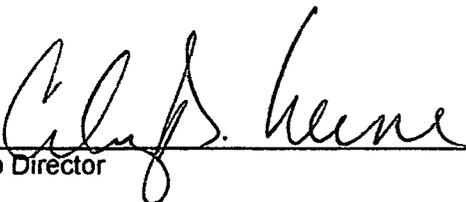
ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 07/07/10  
 Reporting Date: 07/12/10  
 Project Owner: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M-LEA COUNTY, NM

Sampling Date: 06/30/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ 1°C  
 Sample Received By: AB  
 Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		07/10/10	07/10/10	07/09/10	07/09/10	07/09/10	07/09/10	07/08/10
H20293-1	CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	< 16
H20293-2	CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	< 16
H20293-3	CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	96
H20293-4	CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
Quality Control		583	583	0.010	0.010	0.009	0.028	500
True Value QC		500	500	0.010	0.010	0.010	0.030	500
% Recovery		117	117	100	100	90.0	93.3	100
Relative Percent Difference		4.8	10.5	1.1	<1.0	<1.0	<1.0	3.9

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B  
 \*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.  
 TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
 AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
 Lab Director

07/13/10  
 Date

H20293 LA OCO

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

**Cardinal Laboratories, Inc.**

101 East Marland - Hobbs, New Mexico 88240  
Tel (575) 393-2326  
Fax (575) 393-2476

Company Name: **Lazy Ace Landfarm, LLC**  
Project Manager: **Danny Berry**  
Address: (Street, City, Zip) **P. O. Box 160 Eunice, New Mexico 88231**  
Phone #: **(575)369-5266** Fax #: **(575)369-5266**

BILL TO Company: **Lazy Ace Landfarm, LLC** PO#  
Address: (Street, City, Zip) **P. O. Box 160 Eunice, New Mexico 88231**  
Phone#: **(575)369-5266** Fax#: **(575)397-2267**

Project #: \_\_\_\_\_ Project Name: **Lazy Ace Landfarm**

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

LAB Order ID # \_\_\_\_\_

**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX	PRESERVATIVE METHOD	SAMPLING	MTBE 8021B/602	BTEX 8021B	TPH 8015M	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCRA Metals	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours
420293-1	Cell A-4	G	1	X		6-30 9:50	X	X																		X	
-2	Cell A-4	G	1	X		6-30 10:00	X	X																		X	
-3	Cell A-4	G	1	X		6-30 10:10	X	X																		X	
-4	Cell A-4	G	1	X		6-30 10:20	X	X																		X	

Project Location: **T20S R34E Sec 22M ~ Lea County -New Mexico**

Sampler Signature: *Rozanne Johnson* (575)831-8310  
rozanne@valornet.com

Relinquished by: *Rozanne Johnson* Date: **7-7-10** Time: **11:50**

Received by: *CB* Date: **7/7/10** Time: **11:50**

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: (Laboratory Staff) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One) **Sampler** - UPS - Bus - Other: **10C #26**

Sample Condition: Cool Yes  No  Intact Yes  No

CHECKED BY: *AS* (Initials)

Phone Results: Yes  No

Fax Results: Yes  No  Additional Fax Number: \_\_\_\_\_

REMARKS:

Email Results to: [rozanne@valornet.com](mailto:rozanne@valornet.com)



**ARDINAL  
LABORATORIES**

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---

July 13, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H20292, received by the laboratory on 07/07/10 at 11:50 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.



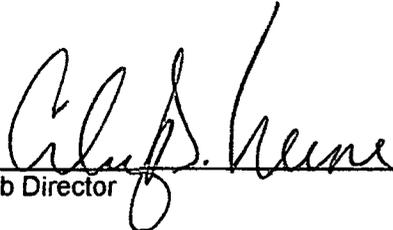
ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

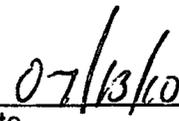
Receiving Date: 07/07/10  
 Reporting Date: 07/12/10  
 Project Owner: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M-LEA COUNTY, NM

Sampling Date: 06/30/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ 1°C  
 Sample Received By: AB  
 Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		07/09/10	07/09/10	07/09/10	07/09/10	07/09/10	07/09/10	07/08/10
H20292-1	CELL A-5	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20292-2	CELL A-5	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20292-3	CELL A-5	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
H20292-4	CELL A-5	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	<16
Quality Control		533	524	0.009	0.009	0.009	0.027	500
True Value QC		500	500	0.010	0.010	0.010	0.030	500
% Recovery		107	105	90.0	90.0	90.0	90.0	100
Relative Percent Difference		1.2	1.8	5.7	5.2	6.2	6.4	<0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B  
 \*Analyses performed on 1:4 w:v aqueous extracts, Reported on wet weight.  
 TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,  
 AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

  
 Lab Director

  
 Date

H20292 LA OCO

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



*Arc Environmental*

P. O. Box 1772  
Lovington, New Mexico 88260  
(575) 631-9310  
Rozanne Johnson ~ [rozanne@valornet.com](mailto:rozanne@valornet.com)

---

April 20, 2010

Mr. Brad Jones  
NMOCD Environmental  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

Mr. Jones,

Enclosed are the sampling results for the various cells at the Lazy Ace Landfarm, permit number 41, located in Lea County New Mexico. The samples were taken at approximately three feet below the cell lift and backfilled with clay.

Should you have any questions, please call.

Sincerely,



Rozanne Johnson  
*Arc Environmental, LLC*

Enclosure:      Copies of Analysis

**Q1~2010 TPH & BTEX**



**ARDINAL  
LABORATORIES**

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

---

April 5, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H19566, received by the laboratory on 03/29/10 at 2:45 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though 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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 4 (includes Chain of Custody)

Sincerely,

Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.





ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P. O. BOX 160  
 EUNICE, NM 88231  
 FAX TO (575) 397-2267

Receiving Date: 03/29/10  
 Reporting Date: 03/31/10  
 Project Owner: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M ~LEA CO., NM

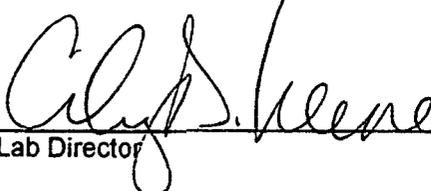
Sampling Date: 03/29/10  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ 4 °C  
 Sample Received By: HM  
 Analyzed By: ZL

LAB NO.	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		03/31/10	03/31/10	03/31/10	03/31/10
H19566-1*	CELL A-1	<0.050	<0.050	<0.050	<0.300
H19566-2	CELL A-2	<0.050	<0.050	<0.050	<0.300
H19566-3	CELL A-3	<0.050	<0.050	<0.050	<0.300
H19566-4*	CELL A-4	<0.050	<0.050	<0.050	<0.300
H19566-5*	CELL A-5	<0.050	<0.050	<0.050	<0.300
H19566-6*	CELL X-1	<0.050	<0.050	<0.050	<0.300
Quality Control		0.049	0.059	0.055	0.164
True Value QC		0.050	0.050	0.050	0.150
% Recovery		98.0	118	110	109
Relative Percent Difference		3.2	4.3	2.2	1.6

METHODS: BTEX - SW-846 8021B;

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Reported on wet weight.

\*Surrogate outside historical limits due to matrix interference.

  
 Lab Director

  
 Date

H19566 BTEX LAZYACE

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



*Arc Environmental*

P. O. Box 1772  
Lovington, New Mexico 88260  
(575) 631-9310  
Rozanne Johnson ~ [rozanne@valornet.com](mailto:rozanne@valornet.com)

---

October 20, 2009

Mr. Brad Jones  
NMOCD Environmental  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

Mr. Jones,

Enclosed are the sampling results for the various cells at the Lazy Ace Landfarm, permit number 41, located in Lea County New Mexico. The samples were taken at approximately three feet below the cell lift and backfilled with clay.

Should you have any questions, please call.

Sincerely,



Rozanne Johnson  
*Arc Environmental, LLC*

Enclosure:    Copies of Analysis

**Q3~2009 TPH & BTEX**



# ARDINAL LABORATORIES

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

---

September 30, 2009

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H18315, received by the laboratory on 09/24/09 at 11:21 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though 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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

  
Celey D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.

ANALYTICAL RESULTS FOR  
LAZE ACE LANDFARM, LLC  
ATTN: DANNY BERRY  
P.O. BOX 160  
EUNICE, NM 88231  
FAX TO: (575) 397-2267

Receiving Date: 09/24/09  
Reporting Date: 09/30/09  
Project Number: NOT GIVEN  
Project Name: LAZE ACE LANDFARM  
Project Location: T20S R34E SEC 22M ~LEA CO., NM

Sampling Date: 09/18/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ 6°C  
Sample Received By: ML  
Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		09/25/09	09/25/09	09/29/09	09/29/09	09/29/09	09/29/09
H18315-1	CELL A-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18315-2	CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18315-3	CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18315-4	CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18315-5	CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control		511	538	0.054	0.051	0.050	0.168
True Value QC		500	500	0.050	0.050	0.050	0.150
% Recovery		102	108	108	102	100	112
Relative Percent Difference		0.6	1.6	3.8	4.1	6.2	<1.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO

  
\_\_\_\_\_  
Lab Director

09/30/09  
\_\_\_\_\_  
Date

H18315 BTEX8015 LA

101 East Marland - Hobbs, New Mexico 88240  
Tel (575) 393-2328  
Fax (575) 393-2478

# Cardinal Laboratories, Inc.

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # \_\_\_\_\_

Company Name: <b>Lazy Ace Landfarm, LLC</b>		BILL TO Company: <b>Lazy Ace Landfarm, LLC</b>	PO#
Project Manager: <b>Danny Berry</b>		Address: (Street, City, Zip) P. O. Box 160 Eunice, New Mexico 88231	
Address: (Street, City, Zip) P. O. Box 160 Eunice, New Mexico 88231		Phone#: <b>(575)369-5266</b>	Fax#: <b>(575)397-2267</b>
Phone #: <b>(575)369-5266</b>	Fax #:		

### ANALYSIS REQUEST

(Circle or Specify Method No.)

Project #:	Project Name: <b>Lazy Ace Landfarm</b>
Project Location: <b>T20S R34E Sec 22M ~ Lea County -New Mexico</b>	Sampler Signature: <i>Rozanne Johnson</i> (575)831-9310 <b>rozanne@valornet.com</b>

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD					SAMPLING		MTBE 8021B/602	BTEX 8021B/602	TPH 8015M GRO/DRO	TPH 418.1/TX1005	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCRA Metals	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids	Chlorides	Turn Around Time ~ 24 Hours			
				WATER	SOIL	AIR	SLUDGE	HCL	HNO <sub>3</sub>	NaHSO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE (1-4oz jar)	NONE	DATE (2009)																						TIME		
H18315-1	Cell A-1	G	1	X							X	9-18	11:45	X	X																							
-2	Cell A-2	G	1	X							X	9-18	11:25	X	X																							
-3	Cell A-3	G	1	X							X	9-18	10:45	X	X																							
-4	Cell A-4	G	1	X							X	9-18	10:15	X	X																							
-5	Cell X-1	G	1	X							X	9-18	9:45	X	X																							

Relinquished by: <i>Rozanne Johnson</i>	Date: 9-24-2009	Time: 11:20	Received by: <i>Michael J. But</i>	Date: 9/24/09	Time: 11:21
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff)	Date:	Time:

Phone Results	Yes	No	
Fax Results	Yes	No	Additional Fax Number:

REMARKS:

Email Results to: [rozanne@valornet.com](mailto:rozanne@valornet.com)

Delivered By: (Circle One) <b>Sampler</b> - UPS - Bus - Other:	Sample Condition Cool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: (Initials) <i>UJB</i>
---	--	--------------------------------------

*600*  
*18700*

*Arc Environmental*

P. O. Box 1772  
Lovington, New Mexico 88260  
(575) 631-9310  
Rozanne Johnson ~ [rozanne@valornet.com](mailto:rozanne@valornet.com)

---

January 15, 2010

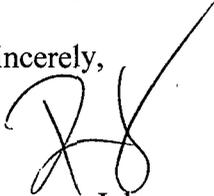
Mr. Brad Jones  
NMOCD Environmental  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

Mr. Jones,

Enclosed are the sampling results for the various cells at the Lazy Ace Landfarm, permit number 41, located in Lea County New Mexico. The samples were taken at approximately three feet below the cell lift and backfilled with clay.

Should you have any questions, please call.

Sincerely,



Rozanne Johnson  
*Arc Environmental, LLC*

Enclosure:    Copies of Analysis

**Q4~2009 TPH, BTEX, Cations, Anions and RCRA Metals**



**ARDINAL  
LABORATORIES**

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

---

January 13, 2010

Danny Berry  
Lazy Ace Landfarm, LLC.  
P.O. Box 160  
Eunice, NM 88231

Re: Lazy Ace Landfarm

Enclosed are the results of analyses for sample number H18920, received by the laboratory on 12/21/09 at 1:30 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though 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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Caley D. Keene  
Laboratory Director

---

This report conforms with NELAP requirements.

ANALYTICAL RESULTS FOR  
LAZE ACE LANDFARM, LLC  
ATTN: DANNY BERRY  
P.O. BOX 160  
EUNICE, NM 88231  
FAX TO: (575) 397-2267

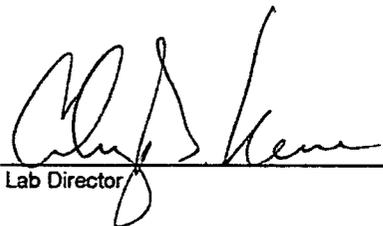
Receiving Date: 12/21/09  
Reporting Date: 12/28/09  
Project Number: NOT GIVEN  
Project Name: LAZE ACE LANDFARM  
Project Location: T20S R34E SEC 22M ~LEA CO., NM

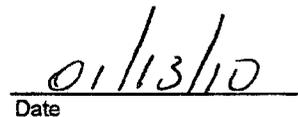
Sampling Date: 12/17/09  
Sample Type: SOIL  
Sample Condition: COOL & INTACT @ -1°C  
Sample Received By: ZL  
Analyzed By: AB/ZL

LAB NO.	SAMPLE ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		12/24/09	12/24/09	12/22/09	12/22/09	12/22/09	12/22/09
H18920-1	CELL A-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18920-2	CELL A-2	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18920-3	CELL A-3	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18920-4	CELL A-4	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18920-5	CELL A-5	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
H18920-6	CELL X-1	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300
Quality Control		445	552	0.050	0.051	0.050	0.152
True Value QC		500	500	0.050	0.050	0.050	0.150
% Recovery		89.0	110	100	102	100	101
Relative Percent Difference		1.5	0.5	<1.0	<1.0	<1.0	<1.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO

  
\_\_\_\_\_  
Lab Director

  
\_\_\_\_\_  
Date

H18920 BTEX8015 LA

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, INC.  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 12/21/09      Sampling Date: 12/17/09  
 Reporting Date: 01/08/09      Sample Type: SOIL  
 Project Owner: NOT GIVEN      Sample Condition: COOL & INTACT @ -1°C  
 Project Name: LAZY ACE LANDFARM      Sample Received By: ZL  
 Project Location: T20S R34E SEC 22M ~ LEA COUNTY      Analyzed By: JM/HM  
 NEW MEXICO

LAB NUMBER SAMPLE ID	Na (mg/kg)	Ca (mg/kg)	Mg (mg/kg)	K (mg/kg)	T-Alkalinity (mgCaCO <sub>3</sub> /kg)
ANALYSIS DATE:	12/31/09	12/31/09	12/31/09	12/31/09	01/07/10
H18920-1 CELL A-1	15.5	1,070	1,120	1,190	304
H18920-2 CELL A-2	28.9	1,740	891	1,060	352
H18920-3 CELL A-3	182	944	975	1,360	192
H18920-4 CELL A-4	12.7	1,120	882	1,150	176
H18920-5 CELL A-5	34.7	1,080	894	938	240
H18920-6 CELL X-1	503	990	1,280	1,480	768
Quality Control	8.13	5.00	4.92	10.4	NR
True Value QC	8.10	5.00	5.00	10.0	NR
% Recovery	100	100	98.4	104	NR
Relative Percent Difference	0.6	0.7	0.3	1.0	NR

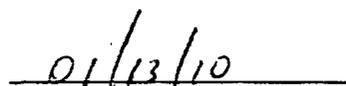
METHODS:	6010	6010	6010	6010	310.1
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	Cl (mg/kg)	SO <sub>4</sub> (mg/kg)	CO <sub>3</sub> (mg/kg)	HCO <sub>3</sub> (mg/kg)
ANALYSIS DATE:	01/08/10	01/07/10	01/07/10	01/07/10
H18920-1 CELL A-1	32	< 40	0	371
H18920-2 CELL A-2	< 16	< 40	0	429
H18920-3 CELL A-3	< 16	< 500*	0	234
H18920-4 CELL A-4	< 16	< 250*	0	215
H18920-5 CELL A-5	< 16	< 500*	0	293
H18920-6 CELL X-1	208	1,080	0	937
Quality Control	500	38.2	NR	988
True Value QC	500	40.0	NR	1000
% Recovery	100	95.4	NR	98.8
Relative Percent Difference	< 0.1	1.6	NR	< 0.1

METHODS:	SM4500-Cl-B	375.4	310.1	310.1
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\*Matrix interference. Elevated detection limit because of dilution. Not NELAP accredited for Cation/Anion.

  
 Chemist

  
 Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, INC.  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 12/21/09  
 Reporting Date: 01/08/09  
 Project Owner: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M ~ LEA COUNTY  
 NEW MEXICO

Sampling Date: 12/17/09  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT @ -1°C  
 Sample Received By: ZL  
 Analyzed By: JM

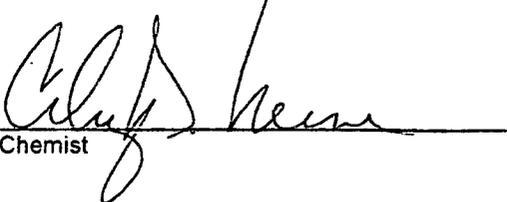
RCRA METALS

LAB NO. SAMPLE ID As (mg/kg) Ag (mg/kg) Ba (mg/kg) Cd (mg/kg) Cr (mg/kg) Pb (mg/kg) Hg (mg/kg) Se (mg/kg)

ANALYSIS DATE:	12/31/09	12/31/09	12/31/09	12/31/09	12/31/09	12/31/09	12/30/09	12/31/09
H18920-1 CELL A-1	< 10.0	< 1.0	33.0	< 1.0	6.79	< 5.0	< 0.1	< 20.0
H18920-2 CELL A-2	< 10.0	< 1.0	28.3	< 1.0	5.86	< 5.0	< 0.1	< 20.0
H18920-3 CELL A-3	< 10.0	< 1.0	35.0	< 1.0	6.95	< 5.0	< 0.1	< 20.0
H18920-4 CELL A-4	< 10.0	< 1.0	28.9	< 1.0	5.79	< 5.0	< 0.1	< 20.0
H18920-5 CELL A-5	< 10.0	< 1.0	27.1	< 1.0	5.51	< 5.0	< 0.1	< 20.0
H18920-6 CELL X-1	< 10.0	< 1.0	50.8	< 1.0	7.52	< 5.0	< 0.1	< 20.0
Quality Control	5.04	0.524	2.46	2.50	2.59	5.20	0.0020	10.2
True Value QC	5.00	0.500	2.50	2.50	2.50	5.00	0.0020	10.0
% Recovery	101	105	98	100	104	104	100	102
Relative Standard Deviation	1.4	< 0.1	0.5	0.5	< 0.1	0.5	< 0.1	< 0.1

METHODS: EPA 600/4-91/010	6010	6010	6010	6010	6010	6010	7471	6010
---------------------------	------	------	------	------	------	------	------	------

Analyses subcontracted to Green Analytical Laboratories, a subsidiary of Cardinal Laboratories.  
 Not NELAP accredited for RCRA Metals.

  
 Chemist

01/13/10  
 Date

H18920RM Lazy Ace Landfarm

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



RECEIVED

2008 SEP 22 AM 8 24

*Arc Environmental*

P. O. Box 1772  
Lovington, New Mexico 88260  
(575) 631-9310  
rozanne@valornet.com

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August 28, 2008

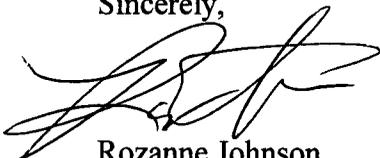
Mr. Brad Jones  
NMOCD Environmental  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

Mr. Jones,

Enclosed are the sampling results for the various cells at the Lazy Ace Landfarm, permit number 41, located in Lea County New Mexico. The samples were taken at approximately three feet below the cell lift and backfilled with clay.

Should you have any questions, please call.

Sincerely,



Rozanne Johnson  
*Arc Environmental, LLC*

Enclosure: Copies of Analysis

**Q2 ~ 2008 TPH & BTEX**



ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC.  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

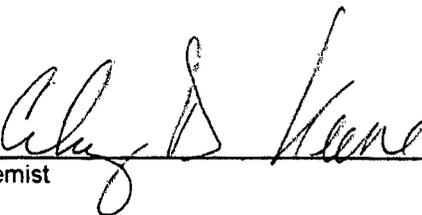
Receiving Date: 06/18/08  
 Reporting Date: 06/30/08\*  
 Project Number: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M - LEA COUNTY, NM

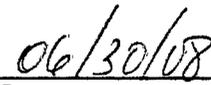
Sampling Date: 06/13/08  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: ML  
 Analyzed By: CK/AB

LAB NO.	SAMPLE ID	GRO (C <sub>8</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE:		06/24/08	06/24/08	06/19/08	06/19/08	06/19/08	06/19/08
H15012-1*	CELL A-2	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H15012-2	CELL A-3	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H15012-3	CELL A-4	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H15012-4	CELL X-1	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		408	607	0.092	0.090	0.089	0.270
True Value QC		500	500	0.100	0.100	0.100	0.300
% Recovery		81.6	121	91.6	90.0	89.3	90.0
Relative Percent Difference		4.2	1.3	0.6	1.0	1.2	2.4

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.

\*Note: Revised report. The TPH was re-analyzed on 06/27/08.

  
 Chemist

  
 Date

H15012BTEXT2 LAZY ACE

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**Q1~2008 TPH & BTEX**



**ARDINAL  
LABORATORIES**

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

**ANALYTICAL RESULTS FOR  
LAZY ACE LANDFARM, LLC  
ATTN: DANNY BERRY  
P.O. BOX 160  
EUNICE, NM 88231  
FAX TO: (575) 397-2267**

Receiving Date: 03/26/08

Reporting Date: 03/27/08

Project Number: NOT GIVEN

Project Name: LAZY ACE LANDFARM

Project Location: T20S R34E SEC 22M ~ LEA COUNTY, NM

Sampling Date: 03/25/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		03/26/08	03/26/08	03/26/08	03/26/08
H14515-1	CELL A-2	<0.002	<0.002	<0.002	<0.006
H14515-2	CELL A-3	<0.002	<0.002	<0.002	<0.006
H14515-3	CELL A-4	<0.002	<0.002	<0.002	<0.006
H14515-4*	CELL X-1	<0.004	<0.004	<0.004	<0.012
Quality Control		0.097	0.109	0.107	0.312
True Value QC		0.100	0.100	0.100	0.300
% Recovery		97.3	109	107	104
Relative Percent Difference		0.6	0.9	1.0	0.7

\*Smaller sample used for analysis due to purging problems.

METHOD: EPA SW-846 8260

*Burgess J. Cook*  
\_\_\_\_\_  
Chemist

*3/27/08*  
\_\_\_\_\_  
Date



# ARDINAL LABORATORIES

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

**ANALYTICAL RESULTS FOR  
LAZY ACE LANDFARM, LLC  
ATTN: DANNY BERRY  
P.O. BOX 160  
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FAX TO: (575) 397-2267**

Receiving Date: 03/26/08

Reporting Date: 03/27/08

Project Number: NOT GIVEN

Project Name: LAZY ACE LANDFARM

Project Location: T20S R34E SEC 22M ~ LEA COUNTY, NM

Sampling Date: 03/25/08

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: ML

Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO	DRO	TOTAL
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)	TPH (C <sub>6</sub> -C <sub>28</sub> ) (mg/kg)
	ANALYSIS DATE	03/26/08	03/26/08	03/26/08
H14515-1	CELL A-2	<50	<50	<50
H14515-2	CELL A-3	<50	<50	<50
H14515-3	CELL A-4	<50	<50	<50
H14515-4	CELL X-1	<50	<50	<50
	Blank	<50	<50	<50
	Matrix Spike	816	740	1556
	Matrix Spike Duplicate	778	730	1508
	True Value	800	800	1600
	% Recovery (Ave.)	99.6	91.9	95.8
	Relative Percent Deviation	4.8	1.4	3.1

METHOD: Texas 1005

*Burgess A. Locke*  
\_\_\_\_\_  
Chemist

3/27/08  
\_\_\_\_\_  
Date

H14515A LAZY ACE

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**Q4 2007 ~ TPH, BTEX and WQCC metals**



ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 12/21/07  
 Reporting Date: 12/27/07  
 Project Number: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M ~ LEA COUNTY, NM

Sampling Date: 12/20/07  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: ML  
 Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO	DRO	TOTAL
		(C <sub>6</sub> -C <sub>10</sub> ) (mg/Kg)	(>C <sub>10</sub> -C <sub>28</sub> ) (mg/Kg)	(C <sub>6</sub> -C <sub>28</sub> ) (mg/Kg)
	ANALYSIS DATE	12/21/07	12/21/07	12/21/07
H13969-1	CELL A-1	<50	<50	<50
H13969-2	CELL A-2	<50	<50	<50
H13969-3	CELL A-3	<50	<50	<50
H13969-4	CELL A-4	<50	<50	<50
H13969-5	CELL X-1	<50	<50	<50
	Blank	<50	<50	<50
	Matrix Spike	758	777	1529
	Matrix Spike Duplicate	759	744	1503
	True Value	800	800	1600
	% Recovery (Ave.)	94.8	95.1	94.8
	Relative Percent Deviation	0.1	4.3	1.7

METHOD: Texas 1005

*Danny Berry*  
 Chemist

12/27/07  
 Date

H13969T L-ACE

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# ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR  
LAZY ACE LANDFARM, LLC  
ATTN: DANNY BERRY  
P.O. BOX 160  
EUNICE, NM 88231  
FAX TO: (575) 397-2267

Receiving Date: 12/21/07	Sampling Date: 12/20/07
Reporting Date: 12/27/07	Sample Type: SOIL
Project Number: NOT GIVEN	Sample Condition: COOL & INTACT
Project Name: LAZY ACE LANDFARM	Sample Received By: ML
Project Location: T20S R34E SEC 22M ~ LEA CO., NM	Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		12/26/07	12/26/07	12/26/07	12/26/07
H13969-1	CELL A-1	<0.001	<0.001	<0.001	<0.003
H13969-2	CELL A-2	<0.001	<0.001	<0.001	<0.003
H13969-3	CELL A-3	<0.001	<0.001	<0.001	<0.003
H13969-4	CELL A-4	<0.001	<0.001	<0.001	<0.003
H13969-5	CELL X-1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.101	0.097	0.097	0.304
True Value QC		0.100	0.100	0.100	0.300
% Recovery		101	97	97	101
Relative Percent Difference		19.3	17.6	15.0	17.5

METHOD: EPA SW-846 8021B

Burgess J. Cooke  
Chemist

12/27/07  
Date

H13969B LAZY ACE

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ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 12/21/07  
 Reporting Date: 01/03/08  
 Project Number: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M ~ LEA COUNTY, NM

Sampling Date: 12/20/07  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: ML  
 Analyzed By: HM

RCRA METALS

LAB NO.	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		01/03/08	12/27/07	12/27/07	12/28/07	01/03/08	12/27/07	01/03/08	12/31/07
H13969-1	CELL A-1	1.45	5.15	< 5.0	< 5.0	< 5.0	< 5.0	0.2	< 0.5
H13969-2	CELL A-2	3.45	< 5.0	< 5.0	< 5.0	5.80	< 5.0	< 0.1	< 0.5
H13969-3	CELL A-3	3.55	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 0.1	< 0.5
H13969-4	CELL A-4	3.40	< 5.0	< 5.0	< 5.0	6.25	< 5.0	< 0.1	< 0.5
H13969-5	CELL X-1	4.30	< 5.0	< 5.0	< 5.0	7.85	< 5.0	< 0.1	< 0.5
Quality Control		0.050	1.96	24.5	2.05	1.99	1.93	0.008	0.049
True Value QC		0.050	2.00	25.0	2.00	2.00	2.00	0.008	0.050
% Recovery		100	98.0	98.0	103	99.5	96.5	100	98.0
Relative Standard Deviation		9.3	0.2	3.1	0.1	1.3	2.2	< 0.1	2.3
METHODS: EPA 600/4-91/010		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

*[Signature]*  
 Chemist

01-03-08  
 Date

H13969RM LAZY ACE

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ANALYTICAL RESULTS FOR  
 LAZY ACE LANDFARM, LLC  
 ATTN: DANNY BERRY  
 P.O. BOX 160  
 EUNICE, NM 88231  
 FAX TO: (575) 397-2267

Receiving Date: 12/21/07  
 Reporting Date: 01/16/08  
 Project Number: NOT GIVEN  
 Project Name: LAZY ACE LANDFARM  
 Project Location: T20S R34E SEC 22M - LEA COUNTY, NM

Sampling Date: 12/20/07  
 Sample Type: SOIL  
 Sample Condition: COOL & INTACT  
 Sample Received By: ML  
 Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/kg)	Ca (mg/kg)	Mg (mg/kg)	K (mg/kg)	Conductivity ( $\mu$ S/cm)	T-Alkalinity (mgCaCO <sub>3</sub> /kg)
ANALYSIS DATE:		01/08/08	01/08/08	01/08/08	01/08/08	01/07/08	01/07/08
H13969-1	CELL A-1	485	69.2	22.6	14.2	317	1,296
H13969-2	CELL A-2	0	53.2	19.4	5.16	414	96.0
H13969-3	CELL A-3	8	74.5	12.9	5.44	508	128
H13969-4	CELL A-4	86	58.5	19.4	3.80	440	384
H13969-5	CELL X-1	0	85.2	25.8	12.2	578	288
Quality Control		NR	49.2	54.0	3.19	1,417	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	108	106	100	NR
Relative Percent Difference		NR	< 0.1	6.1	10.2	0.5	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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LAB NUMBER	SAMPLE ID	Cl <sup>-</sup> (mg/kg)	SO <sub>4</sub> (mg/kg)	CO <sub>3</sub> (mg/kg)	HCO <sub>3</sub> (mg/kg)	pH (s.u.)	TDS (mg/kg)
ANALYSIS DATE:		01/07/08	01/07/08	01/07/08	01/07/08	01/07/08	01/09/08
H13969-1	CELL A-1	16	20.2	0	1,580	7.33	672
H13969-2	CELL A-2	< 16	109	0	117	7.48	512
H13969-3	CELL A-3	96	0.64	0	156	7.65	303
H13969-4	CELL A-4	16	12.2	0	468	7.95	758
H13969-5	CELL X-1	16	1.00	0	351	8.16	428
Quality Control		500	26.3	NR	1000	7.03	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	105	NR	100	100	NR
Relative Percent Difference		< 0.1	5.8	NR	< 0.1	0.4	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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\* Note: Analyses performed on 1:4 w:v aqueous extracts.  
 Results should therefore be considered approximate.

Krista Dupont  
 Chemist

01/16/08  
 Date

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